

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082354.D
 Acq On : 19 Oct 2015 14:34
 Operator : UM/IZ
 Sample : PB86144BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86144BS

Manual Integrations
 APPROVED

MMdadoda
 10/20/2015 6:25:44 PM

Quant Time: Oct 20 02:13:59 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 20 01:57:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102323	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	392208	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	208807	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	389236	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	370193	20.00	ng	-0.03
86) Perylene-d12	15.60	264	315291	20.00	ng	-0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	606389	119.60	ng	0.01
7) Phenol-d6	6.45	99	758810	115.01	ng	0.00
23) Nitrobenzene-d5	7.37	82	481399	82.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	208959	106.71	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1059614	84.16	ng	0.00
78) Terphenyl-d14	12.94	244	1019094	72.95	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.43	88	80706	31.68	ng	98
3) Pyridine	3.13	79	209472	35.36	ng	99
4) n-Nitrosodimethylamine	3.10	42	93900	37.37	ng	98
6) Aniline	6.47	93	188404	22.15	ng	# 77
8) 2-Chlorophenol	6.58	128	224571	36.28	ng	# 75
9) Benzaldehyde	6.34	77	74604	22.14	ng	87
10) Phenol	6.46	94	252614	33.21	ng	85
11) bis(2-Chloroethyl)ether	6.55	93	228748	35.56	ng	96
12) 1,3-Dichlorobenzene	6.74	146	277874m	38.55	ng	
13) 1,4-Dichlorobenzene	6.82	146	274847	36.51	ng	96
14) 1,2-Dichlorobenzene	6.97	146	266201	37.24	ng	95
15) Benzyl Alcohol	6.95	79	181850	39.93	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	321550	35.90	ng	98
17) 2-Methylphenol	7.07	107	196158	40.08	ng	98
18) Hexachloroethane	7.31	117	94735	36.77	ng	# 83
19) n-Nitroso-di-n-propylamine	7.22	70	162247	35.02	ng	# 88
20) 3+4-Methylphenols	7.22	107	234790	40.26	ng	96
22) Acetophenone	7.22	105	321001	41.37	ng	# 95
24) Nitrobenzene	7.39	77	246314	38.96	ng	96
25) Isophorone	7.63	82	458507	38.90	ng	98
26) 2-Nitrophenol	7.71	139	136427	43.22	ng	96
27) 2,4-Dimethylphenol	7.76	122	222774	43.80	ng	95
28) bis(2-Chloroethoxy)methane	7.85	93	294869	42.99	ng	99
29) 2,4-Dichlorophenol	7.95	162	218009	42.88	ng	96
30) 1,2,4-Trichlorobenzene	8.03	180	233084	39.78	ng	98
31) Naphthalene	8.11	128	675314	39.72	ng	100
32) Benzoic acid	7.90	122	130469	38.22	ng	91
33) 4-Chloroaniline	8.17	127	117243	16.60	ng	98
34) Hexachlorobutadiene	8.23	225	139237	38.13	ng	98
35) Caprolactam	8.55	113	62732	42.52	ng	# 72
36) 4-Chloro-3-methylphenol	8.66	107	221009	44.46	ng	97
37) 2-Methylnaphthalene	8.81	142	505084	42.85	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	224804	36.20	ng	97
40) Hexachlorocyclopentadiene	8.96	237	195984	64.19	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.10	196	158897	38.52	nq	99
43) 2,4,5-Trichlorophenol	9.13	196	171011	38.27	nq	# 87
45) 1,1'-Biphenyl	9.28	154	614987	38.62	nq	95
46) 2-Chloronaphthalene	9.30	162	495349	39.52	nq	99
47) 2-Nitroaniline	9.41	65	146791	42.66	nq	# 79
48) Acenaphthylene	9.71	152	744564	38.13	nq	99
49) Dimethylphthalate	9.59	163	587210	39.94	nq	98
50) 2,6-Dinitrotoluene	9.65	165	121058	39.02	nq	# 80
51) Acenaphthene	9.89	154	426023	36.34	nq	99
52) 3-Nitroaniline	9.82	138	66828	19.07	nq	98
53) 2,4-Dinitrophenol	9.93	184	135755	78.44	nq	# 90
54) Dibenzofuran	10.06	168	629015	39.08	nq	96
55) 4-Nitrophenol	9.99	139	152296	67.21	nq	# 83
56) 2,4-Dinitrotoluene	10.06	165	175394	45.23	nq	92
57) Fluorene	10.40	166	503664	38.10	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.18	232	146102	40.02	nq	98
59) Diethylphthalate	10.29	149	597140	43.57	nq	97
60) 4-Chlorophenyl-phenylether	10.40	204	253709	41.90	nq	# 79
61) 4-Nitroaniline	10.43	138	123740	36.40	nq	93
62) Azobenzene	10.56	77	551625	41.12	nq	86
64) 4,6-Dinitro-2-methylphenol	10.46	198	89454	40.95	nq	# 54
65) n-Nitrosodiphenylamine	10.51	169	461358	39.59	nq	99
66) 4-Bromophenyl-phenylether	10.89	248	152908	39.25	nq	# 80
67) Hexachlorobenzene	10.95	284	165199	39.21	nq	# 78
68) Atrazine	11.05	200	177616	48.11	nq	99
69) Pentachlorophenol	11.15	266	178737	82.45	nq	97
70) Phenanthrene	11.37	178	823695	43.17	nq	99
71) Anthracene	11.42	178	831752	42.31	nq	99
72) Carbazole	11.58	167	719677	40.13	nq	99
73) Di-n-butylphthalate	11.91	149	984738	44.51	nq	99
74) Fluoranthene	12.56	202	929782	45.37	nq	98
76) Benzidine	12.69	184	284474	26.52	nq	97
77) Pyrene	12.79	202	857310	39.02	nq	99
79) Butylbenzylphthalate	13.43	149	393959	39.29	nq	95
80) Benzo(a)anthracene	14.05	228	748540	38.86	nq	100
81) 3,3'-Dichlorobenzidine	14.00	252	167711	22.94	nq	# 98
82) Chrysene	14.08	228	725269	35.74	nq	99
83) Bis(2-ethylhexyl)phthalate	14.04	149	571543	39.96	nq	99
84) Di-n-octyl phthalate	14.73	149	966778	39.36	nq	99
85) Indeno(1,2,3-cd)pyrene	17.04	276	624762	38.73	nq	98
87) Benzo(b)fluoranthene	15.19	252	746326m	38.91	nq	
88) Benzo(k)fluoranthene	15.21	252	626390m	38.85	nq	
89) Benzo(a)pyrene	15.54	252	651616	39.53	nq	99
90) Dibenzo(a,h)anthracene	17.05	278	530312	39.25	nq	99
91) Benzo(g,h,i)perylene	17.46	276	512423	39.04	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

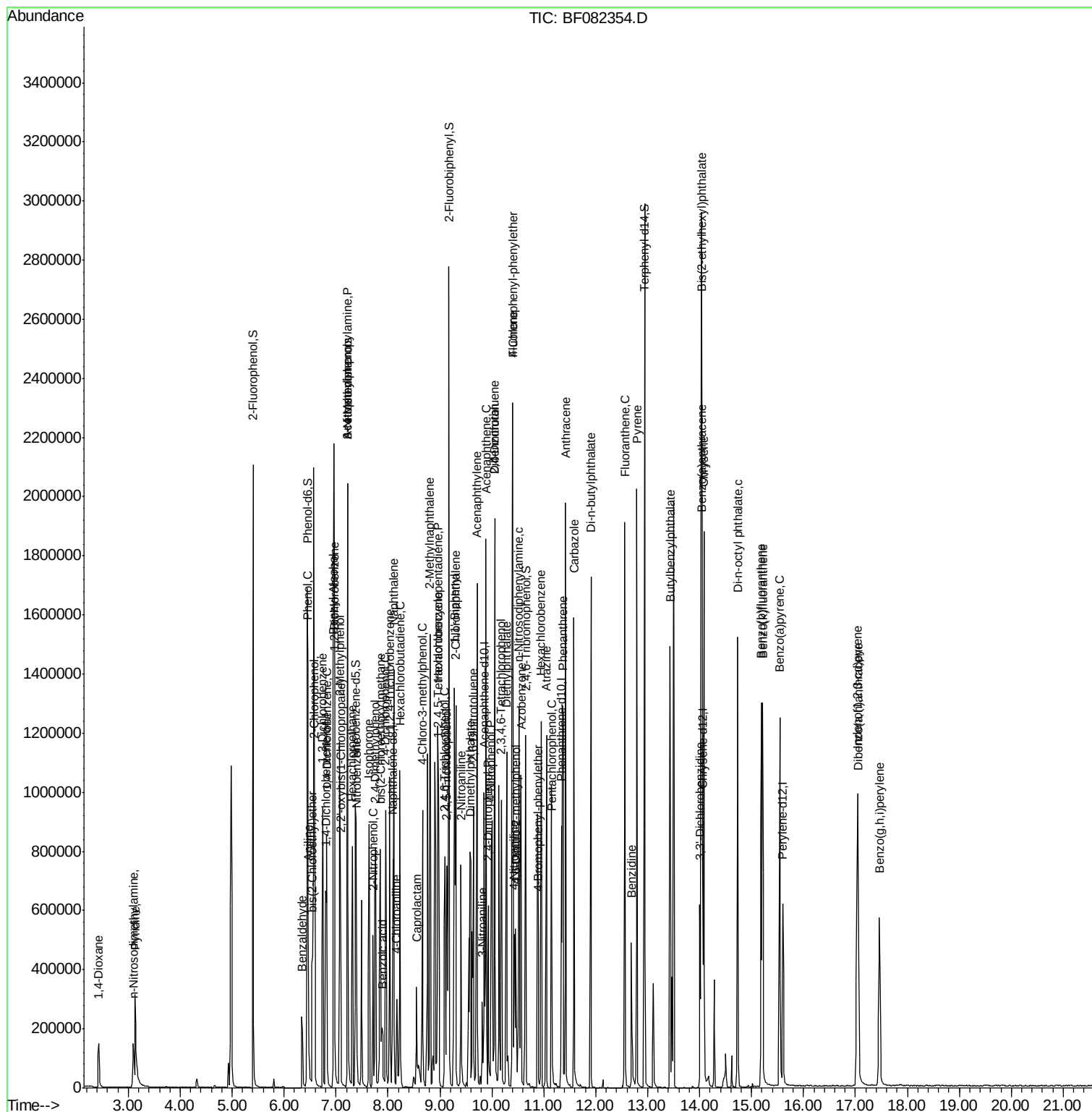
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Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\  
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Acq On    : 19 Oct 2015   14:34  
Operator  : UM/IZ  
Sample    : PB86144BS  
Misc      :  
ALS Vial  : 4      Sample Multiplier: 1
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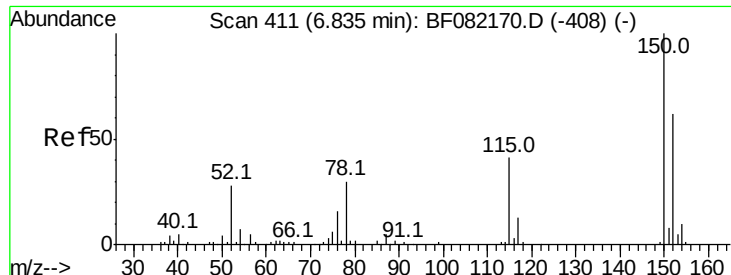
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

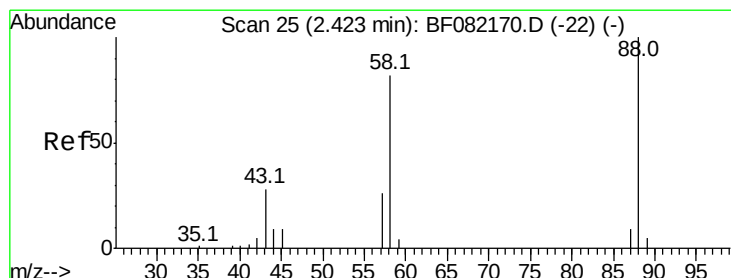
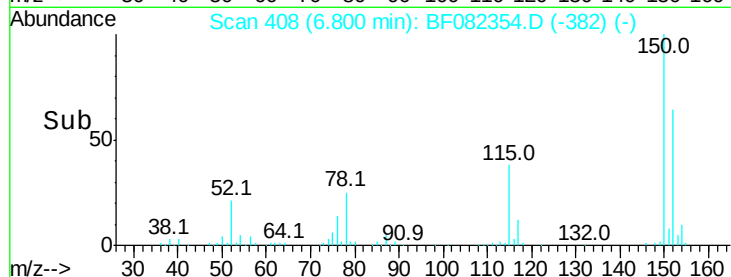
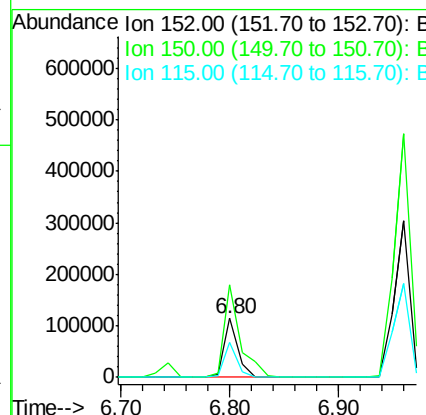
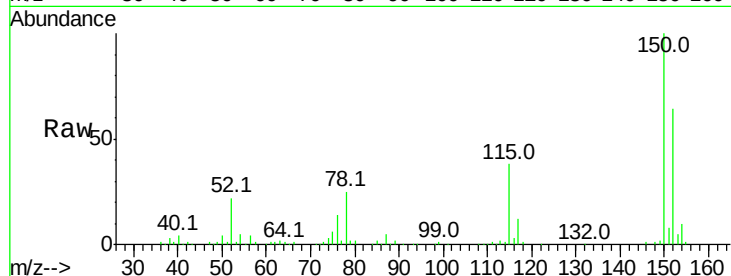
ClientSampleId :

PB86144BS

Tot Ion:	152	Resp:	102323
Ion Ratio	Lower	Upper	
152	100		
150	155.9	129.0	193.4
115	58.9	52.1	78.1

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#2

1,4-Dioxane

Concen: 31.68 ng

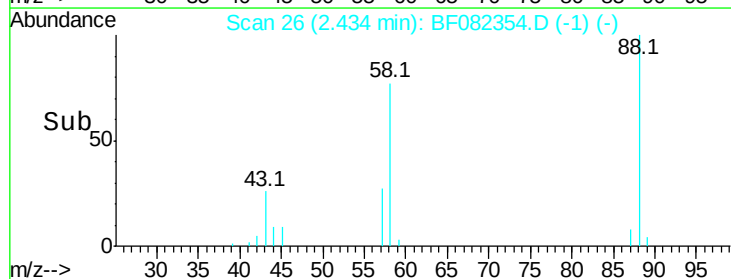
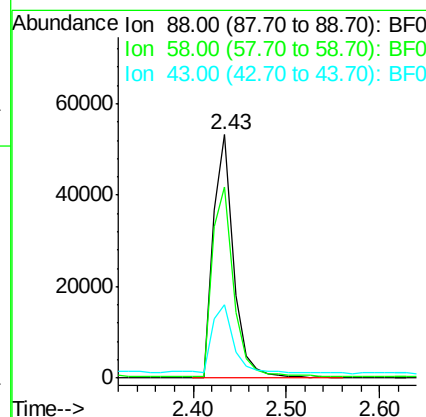
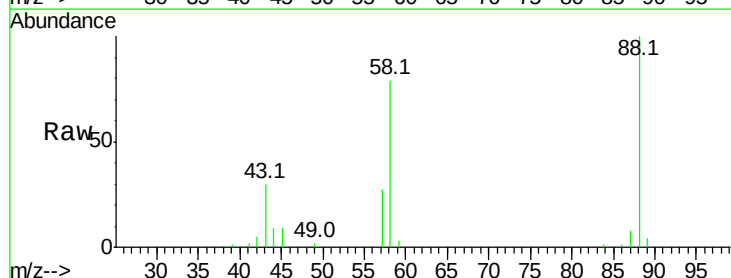
RT: 2.43 min Scan# 26

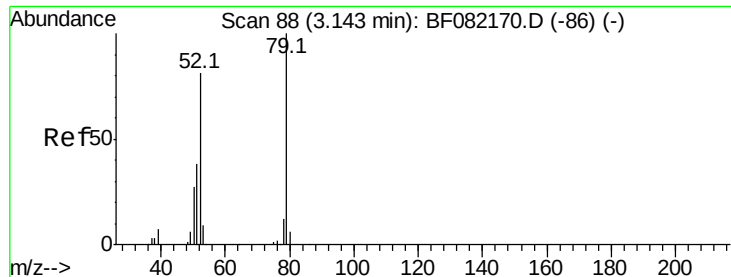
Delta R.T. 0.09 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion:	88	Resp:	80706
Ion Ratio	Lower	Upper	
88	100		
58	81.1	66.2	99.4
43	29.5	23.0	34.4





#3

Pvridine

Concen: 35.36 ng

RT: 3.13 min Scan# 87

Delta R.T. 0.08 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

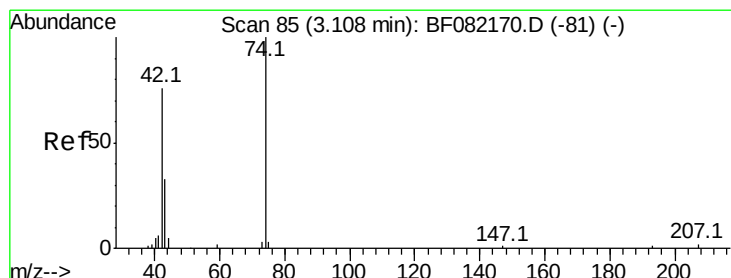
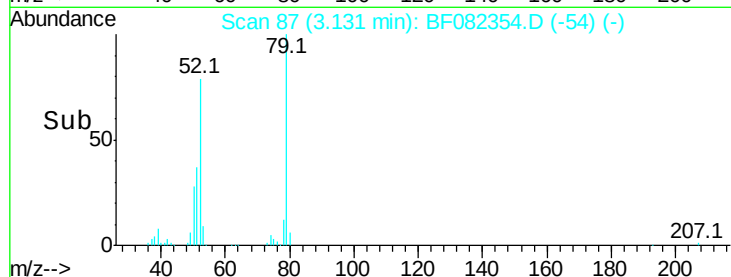
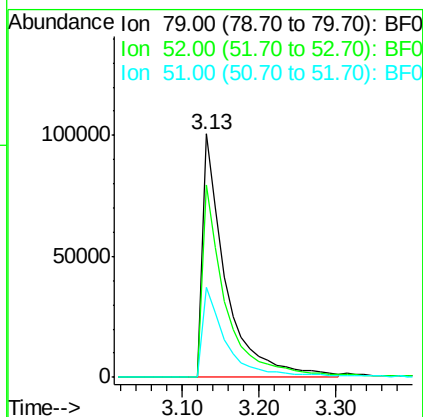
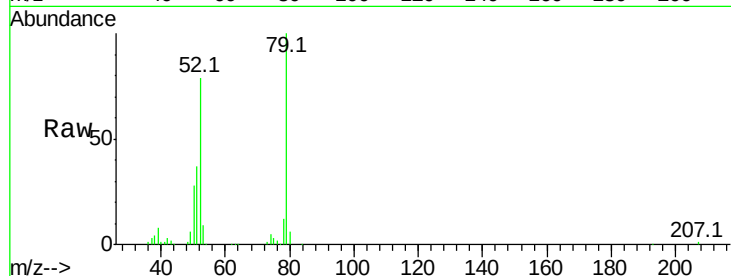
ClientSampleId :

PB86144BS

Tot Ion:	79	Resp:	209472
Ion Ratio	Lower	Upper	
79	100		
52	79.2	64.4	96.6
51	37.2	30.5	45.7

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 37.37 ng

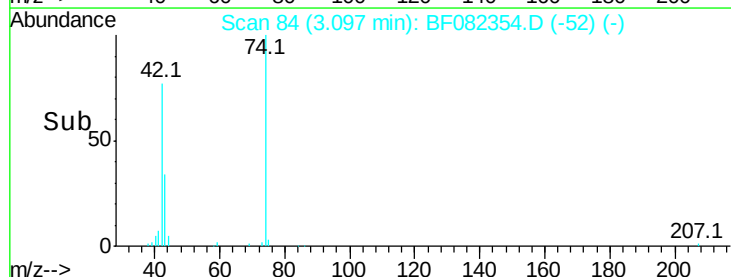
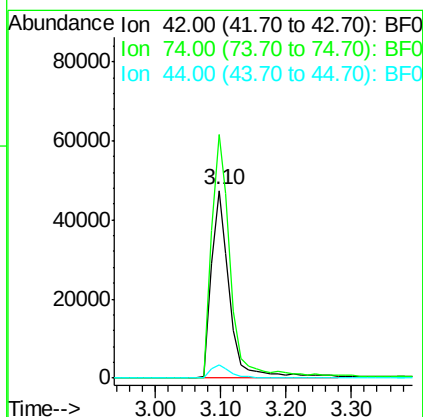
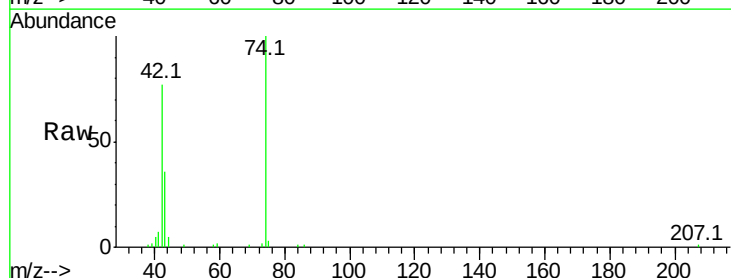
RT: 3.10 min Scan# 84

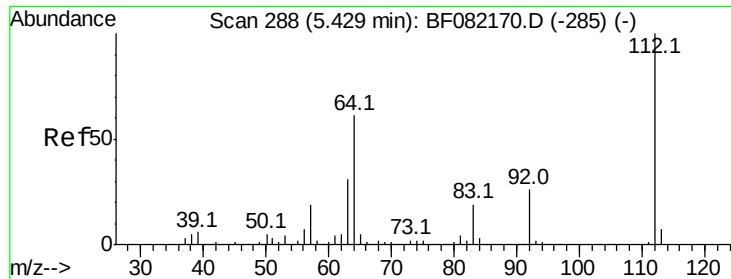
Delta R.T. 0.07 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion:	42	Resp:	93900
Ion Ratio	Lower	Upper	
42	100		
74	129.6	105.7	158.5
44	6.7	5.4	8.2





#5

2-Fluorophenol

Concen: 119.60 ng

RT: 5.41 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

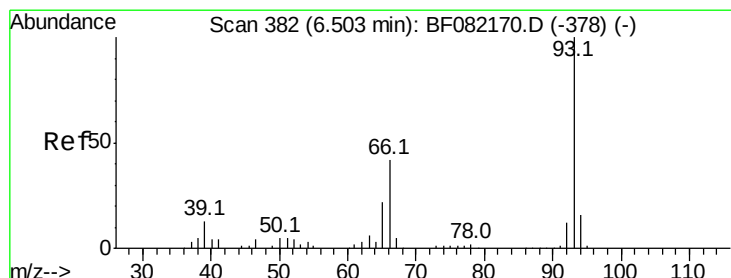
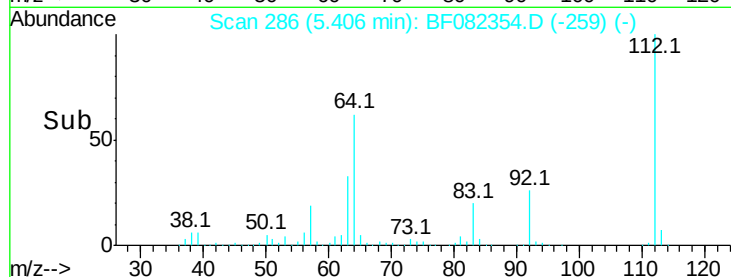
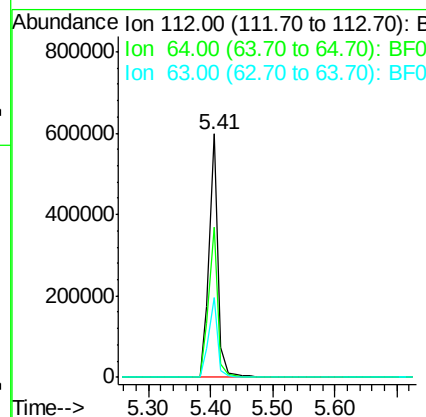
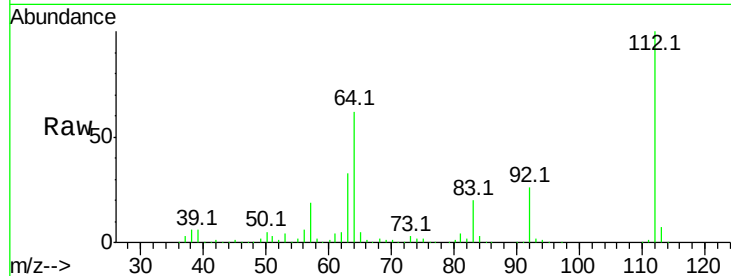
ClientSampleId :

PB86144BS

Tot Ion:	112	Resp:	606389
Ion Ratio	Lower	Upper	
112	100		
64	61.5	48.6	73.0
63	32.6	25.1	37.7

Manual Integrations
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#6

Aniline

Concen: 22.15 ng

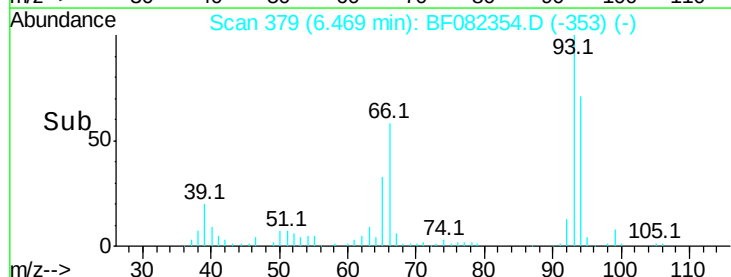
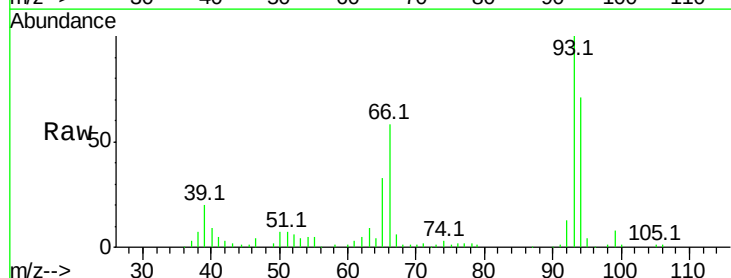
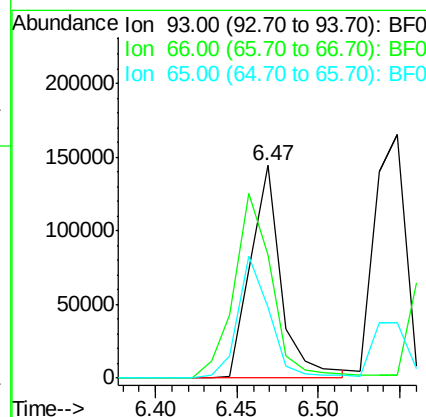
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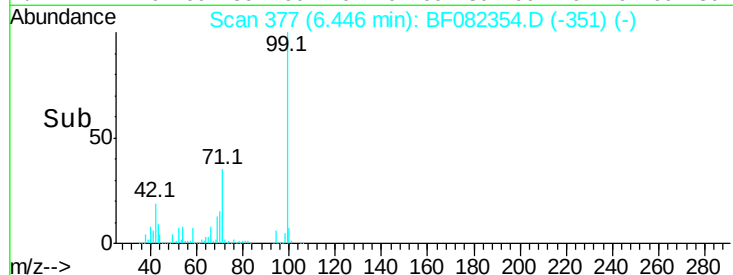
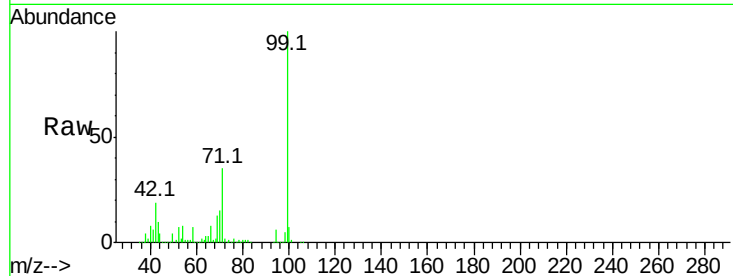
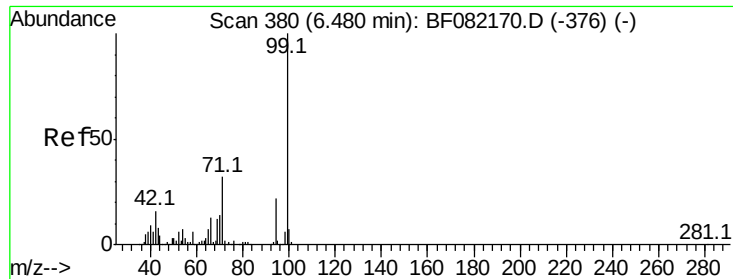
Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion:	93	Resp:	188404
Ion Ratio	Lower	Upper	
93	100		
66	57.9	34.2	51.2#
65	33.0	17.9	26.9#





#7

Phenol-d6

Concen: 115.01 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tot Ion	99	Resp	758810
Ion Ratio	Lower	Upper	
99	100		
42	18.6	13.2	19.8
71	35.0	25.6	38.4

Instrument :

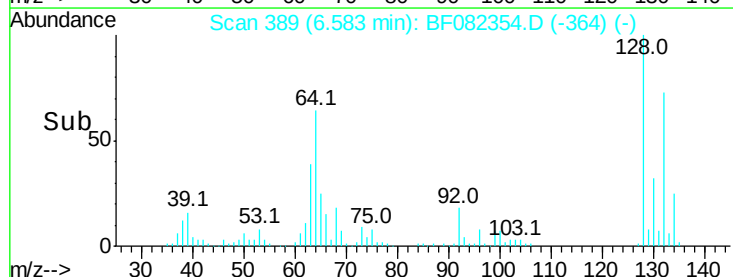
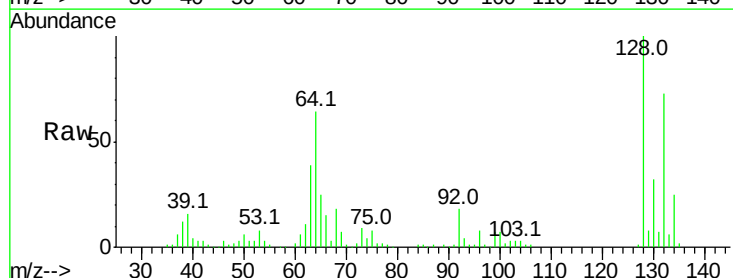
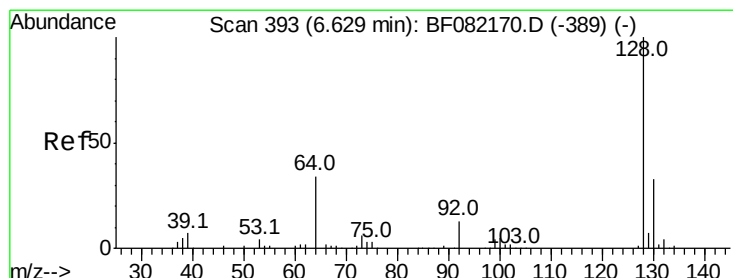
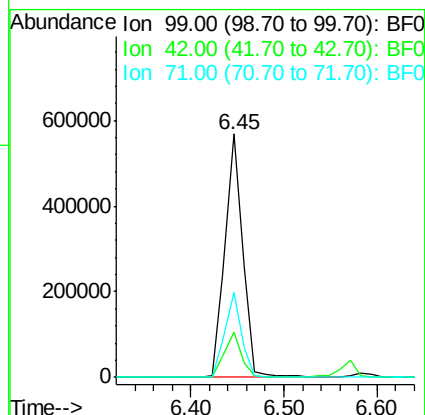
BNA_F

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#8

2-Chlorophenol

Concen: 36.28 ng

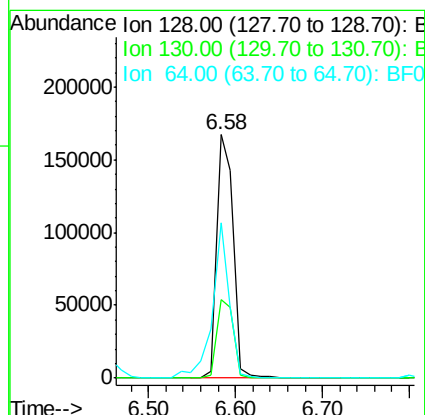
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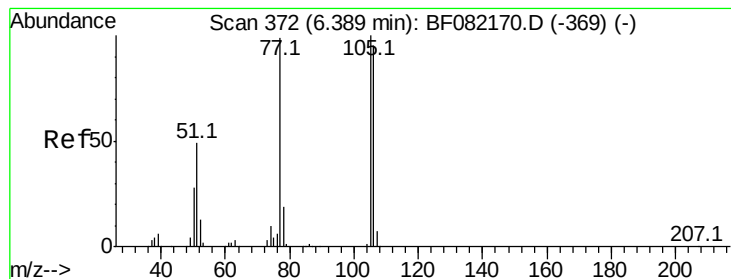
Delta R.T. -0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion	128	Resp	224571
Ion Ratio	Lower	Upper	
128	100		
130	32.0	12.6	52.6
64	63.7	16.7	56.7#





#9

Benzaldehyde

Concen: 22.14 ng

RT: 6.34 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

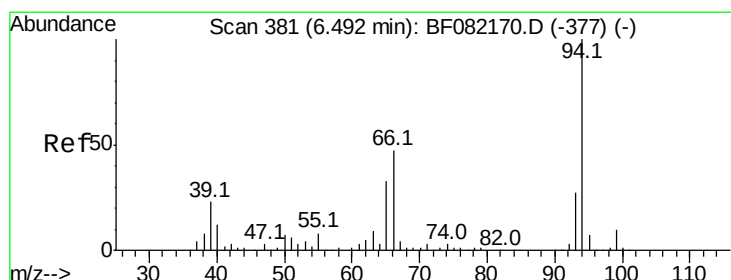
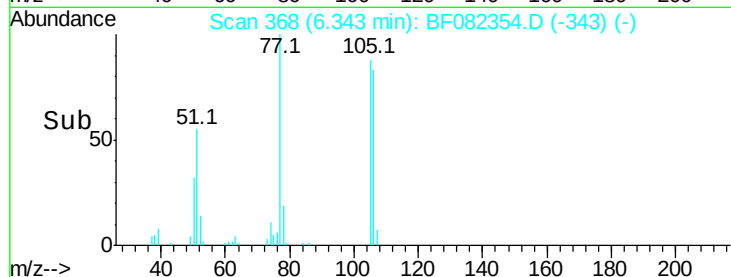
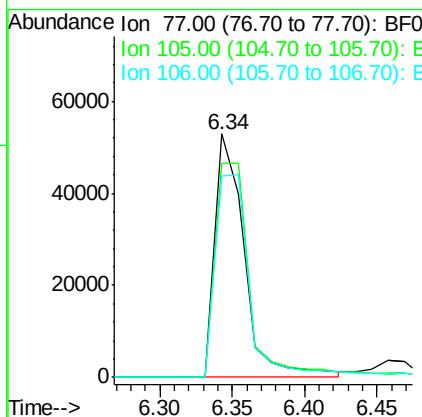
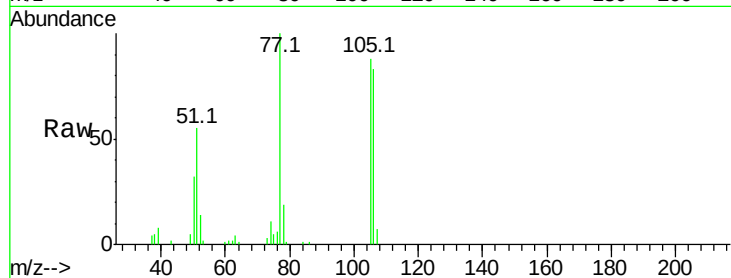
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Tot Ion	Ratio	Lower	Upper
77	100		
105	87.8	80.6	120.6
106	82.8	75.5	115.5



#10

Phenol

Concen: 33.21 ng

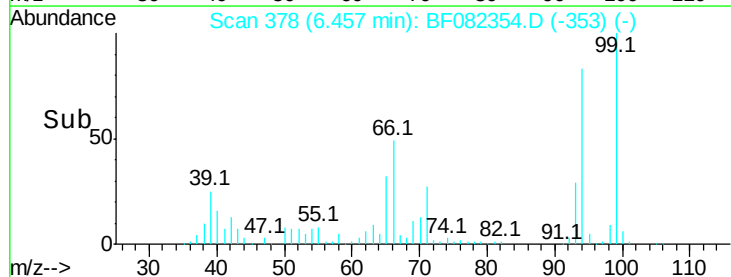
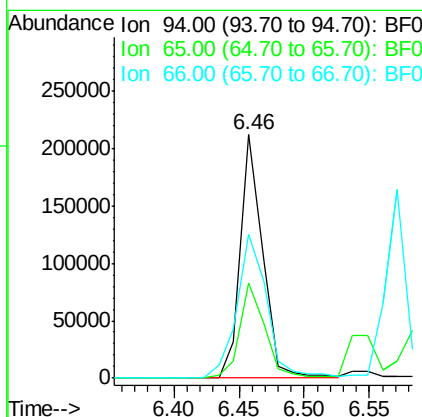
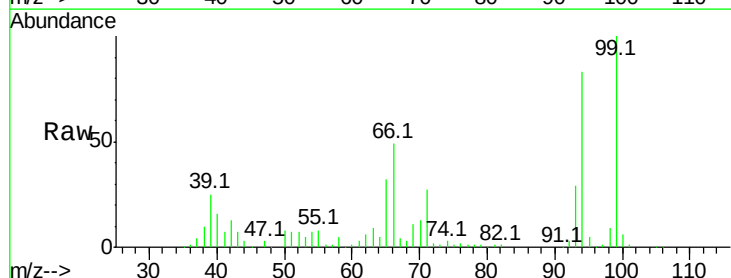
RT: 6.46 min Scan# 378

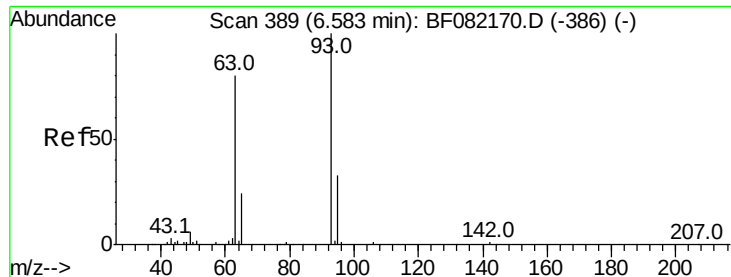
Delta R.T. -0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Lower	Upper
94	100		
65	39.2	12.6	52.6
66	59.2	27.3	67.3





#11

bis(2-Chloroethyl)ether

Concen: 35.56 ng

RT: 6.55 min Scan# 386

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

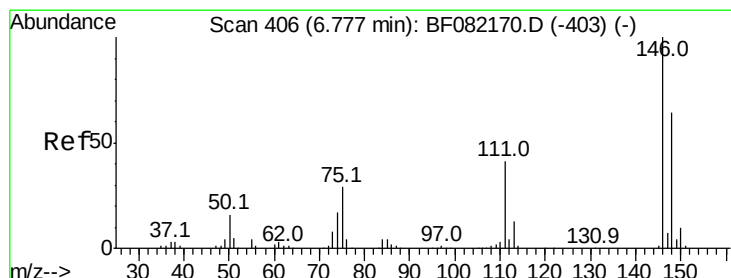
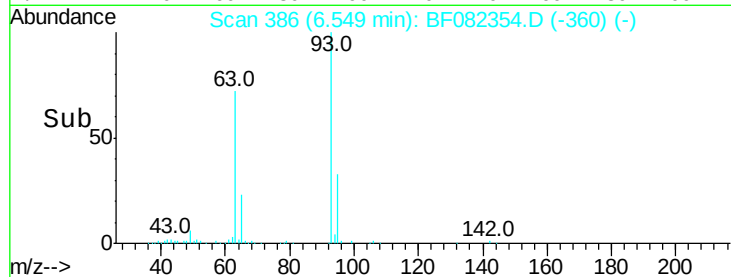
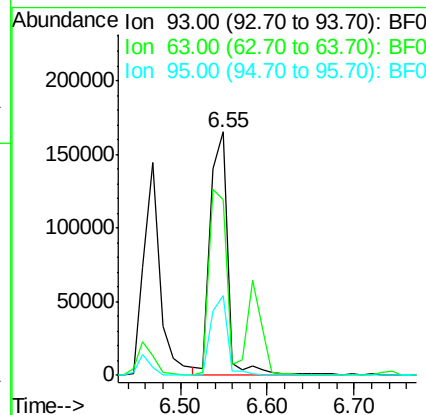
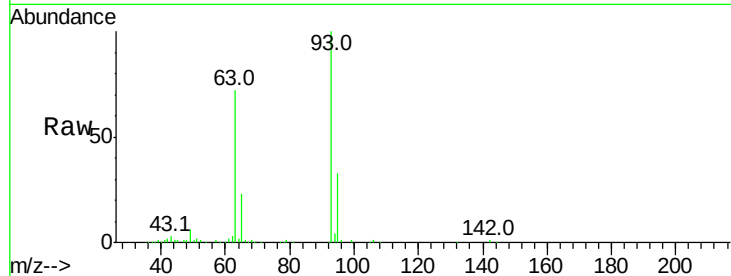
ClientSampleId :

PB86144BS

Tot Ion:	93	Resp:	228748
Ion Ratio	Lower	Upper	
93	100		
63	72.1	57.1	97.1
95	32.7	11.9	51.9

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#12

1,3-Dichlorobenzene

Concen: 38.55 ng m

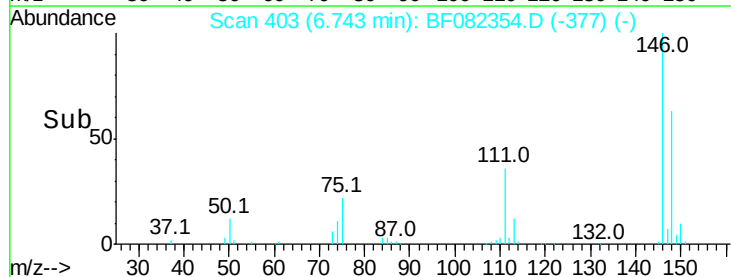
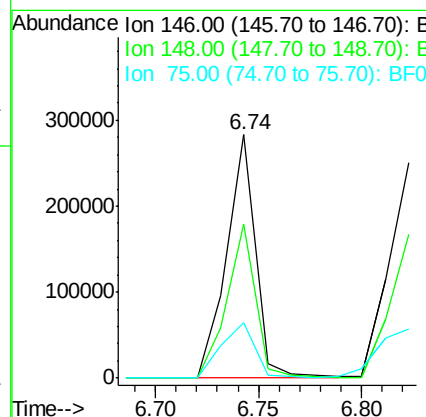
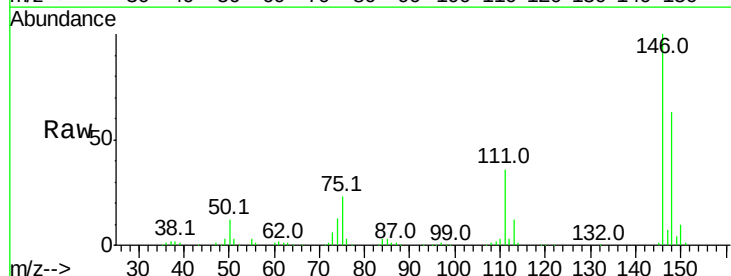
RT: 6.74 min Scan# 403

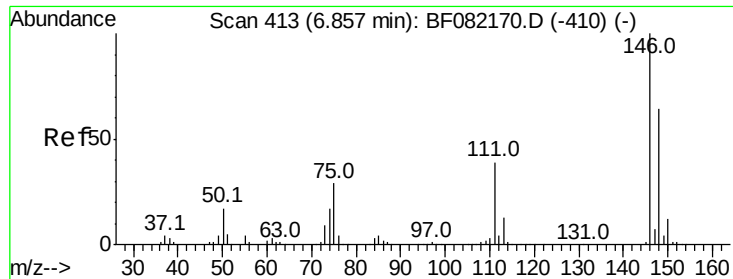
Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion:	146	Resp:	277874
Ion Ratio	Lower	Upper	
146	100		
148	63.2	51.4	77.2
75	22.7	23.0	34.6#





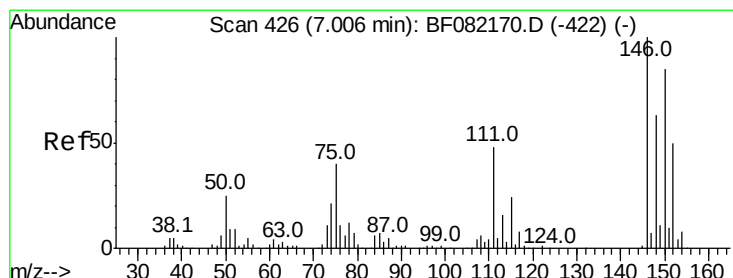
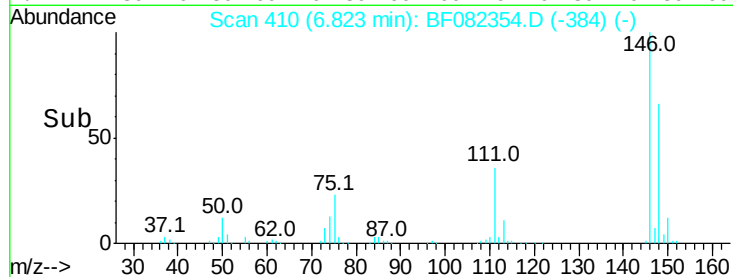
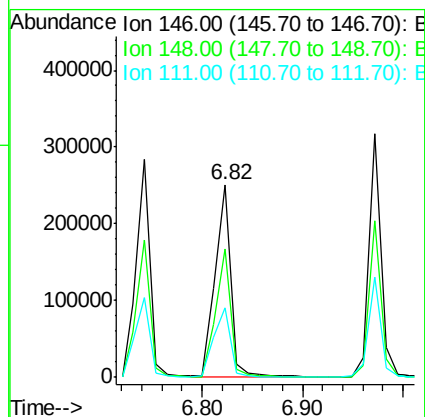
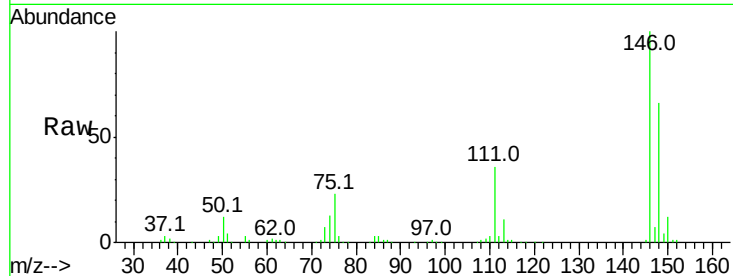
#13
 1,4-Dichlorobenzene
 Concen: 36.51 ng
 RT: 6.82 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Instrument :
 BNA_F
 ClientSampleId :
 PB86144BS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	274847		
148	66.4	51.0	76.4	
111	35.8	31.1	46.7	

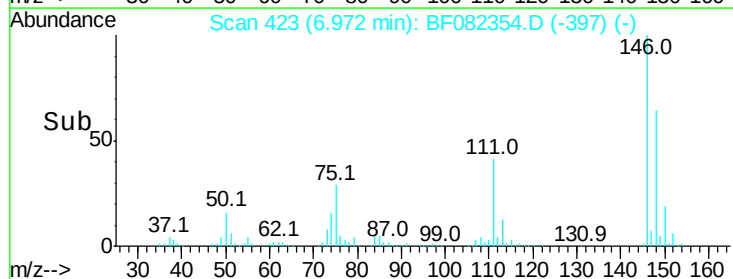
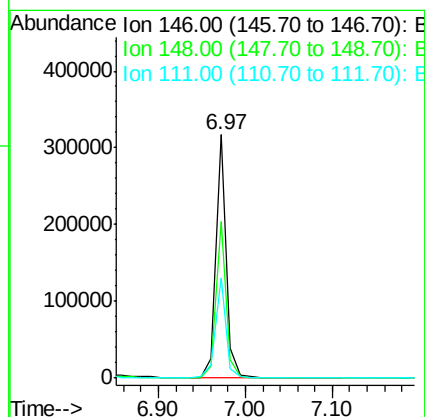
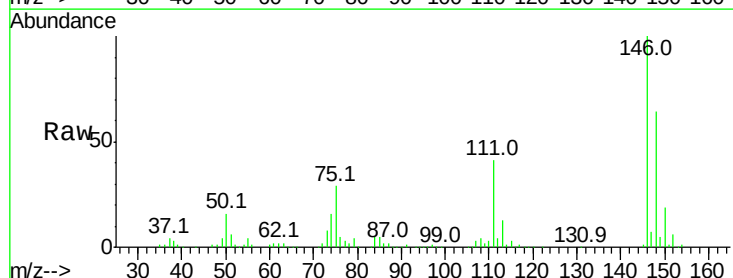
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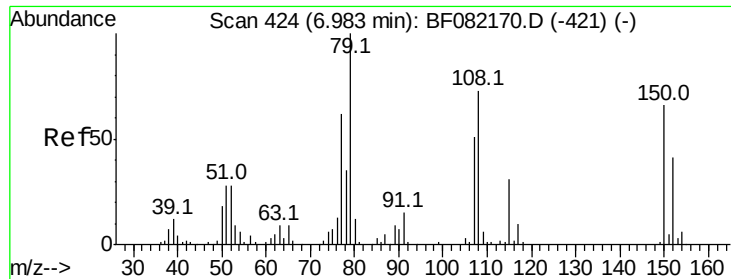
MMdadoda
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#14
 1,2-Dichlorobenzene
 Concen: 37.24 ng
 RT: 6.97 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	266201		
148	64.2	50.5	75.7	
111	41.3	38.5	57.7	





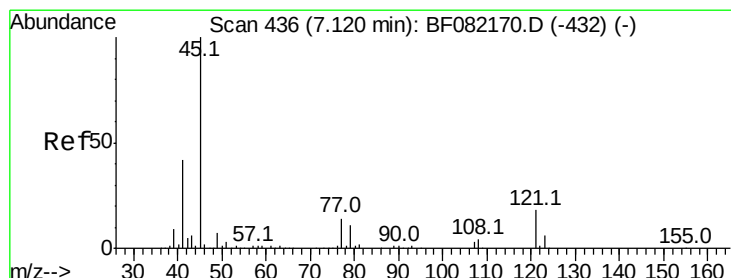
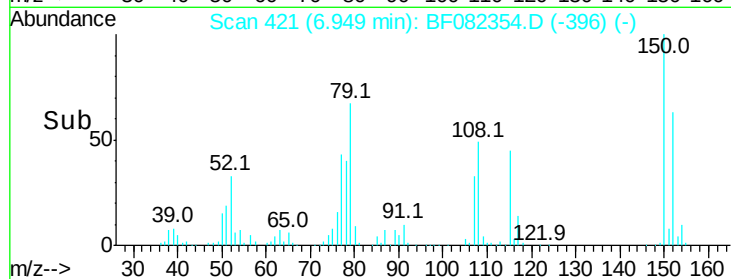
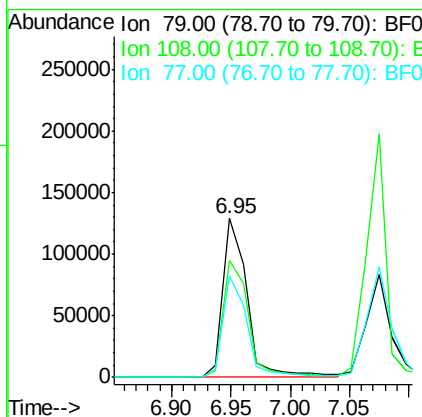
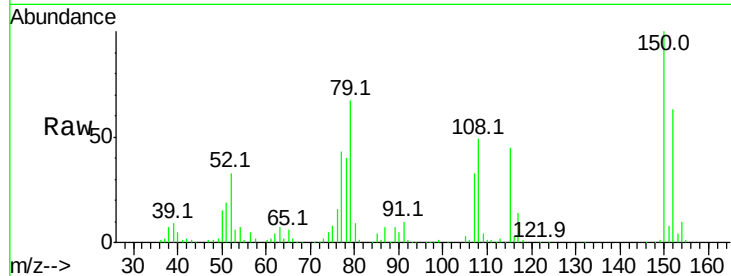
#15
Benzyl Alcohol
Concen: 39.93 ng
RT: 6.95 min Scan# 421
Delta R.T. -0.01 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Instrument :
BNA_F
ClientSampleID :
PB86144BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	73.4	58.4	87.6
77	64.3	49.8	74.6

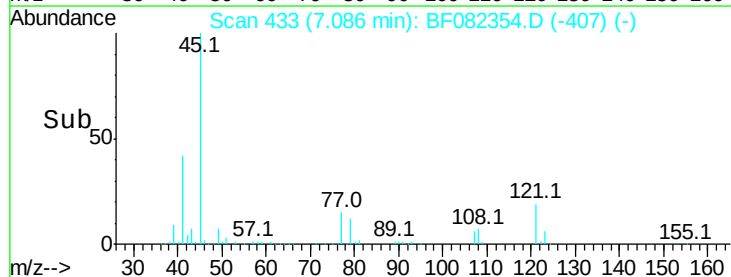
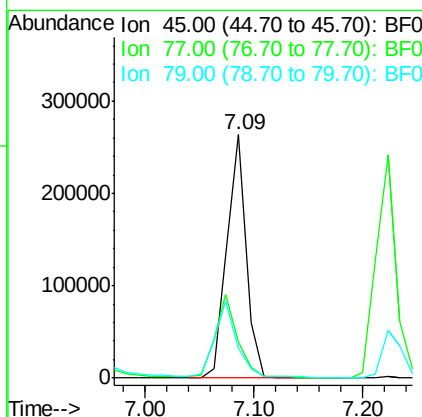
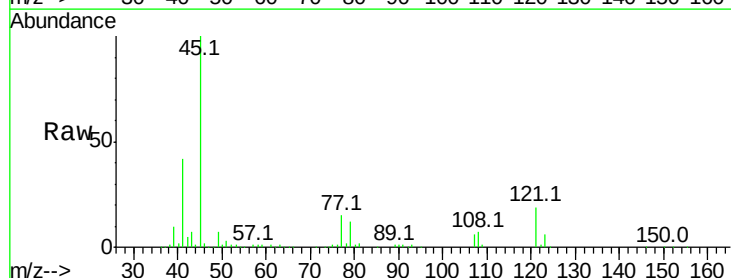
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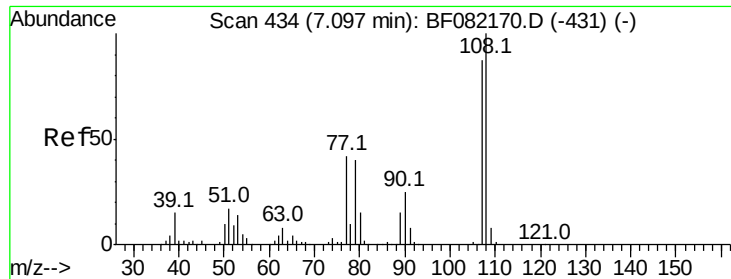
MMdadoda
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.90 ng
RT: 7.09 min Scan# 433
Delta R.T. -0.00 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.1	0.0	34.5
79	12.3	0.0	31.6





#17

2-Methylphenol

Concen: 40.08 ng

RT: 7.07 min Scan# 432

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

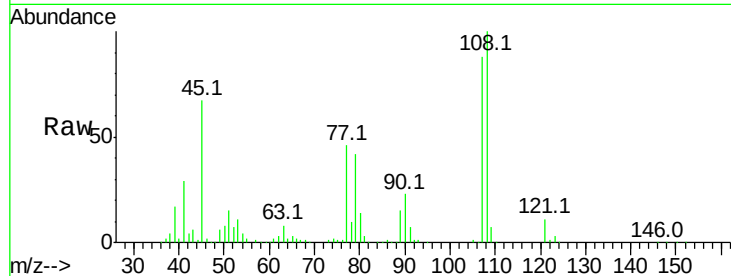
ClientSampleId :

PB86144BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	196158		
108	113.4	92.2	138.2	
77	51.8	39.6	59.4	
79	47.7	38.2	57.4	

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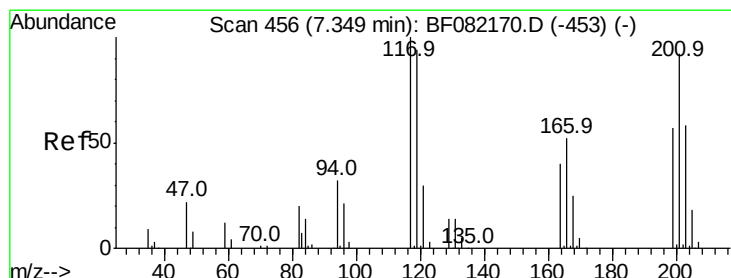
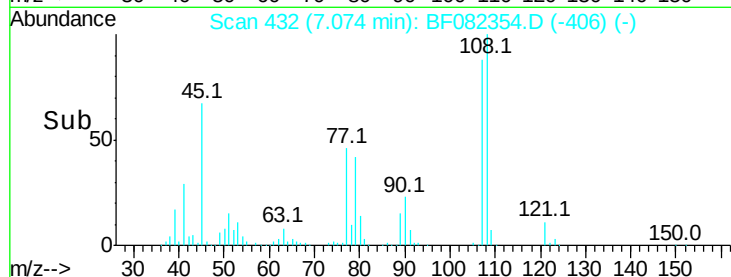
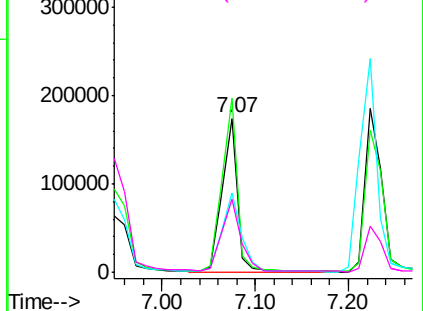


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 36.77 ng

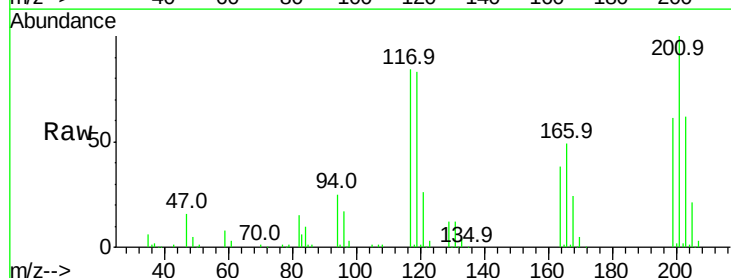
RT: 7.31 min Scan# 453

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

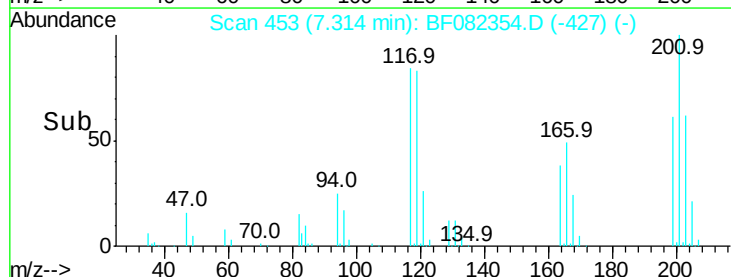
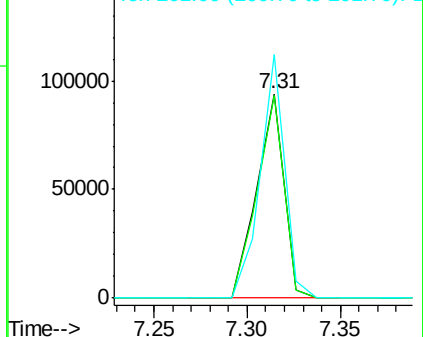
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	94735		
119	98.9	75.4	113.2	
201	119.1	73.4	110.0#	

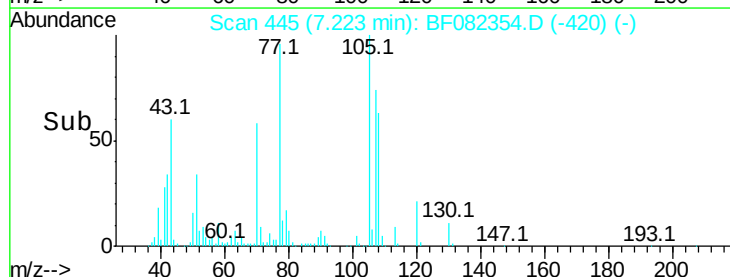
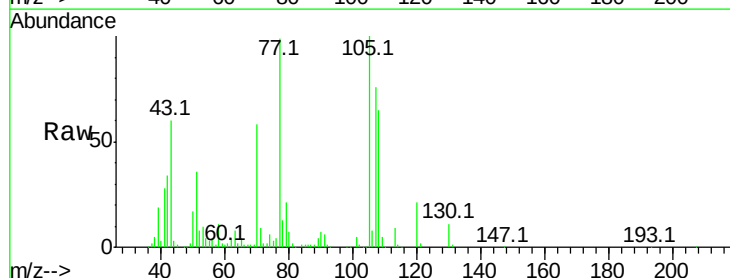
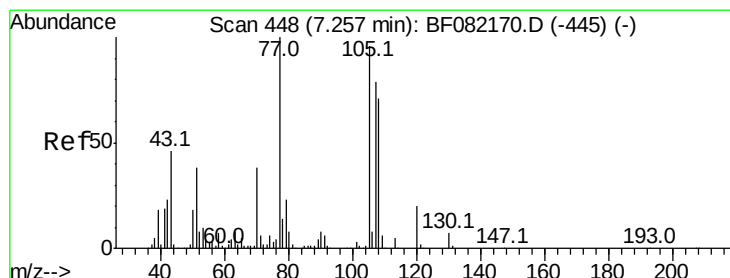
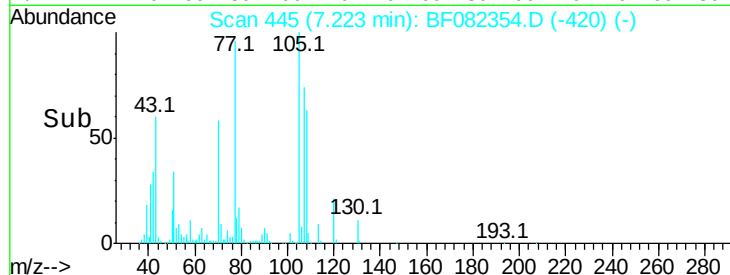
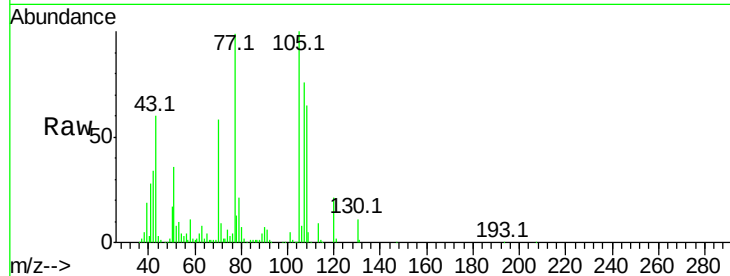
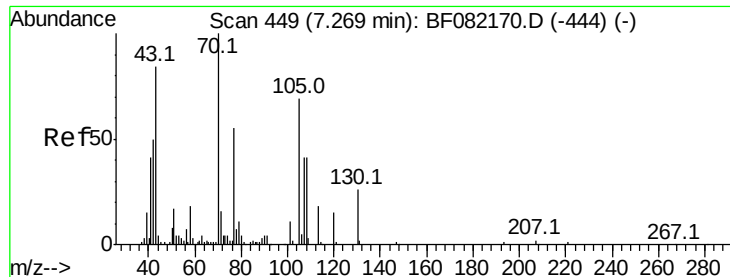


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 35.02 ng

RT: 7.22 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

ClientSampleId :

PB86144BS

Tot Ion: 70 Resp: 162247

Ion Ratio Lower Upper

70 100

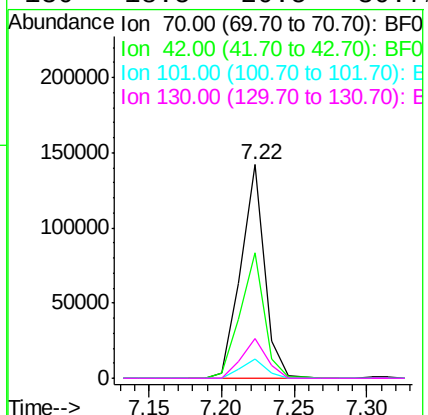
42 59.0 39.8 59.8

101 9.2 8.6 13.0

130 18.5 20.5 30.7#

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#20

3+4-Methylphenols

Concen: 40.26 ng

RT: 7.22 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion: 107 Resp: 234790

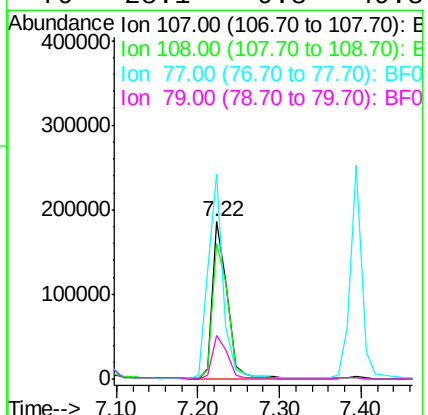
Ion Ratio Lower Upper

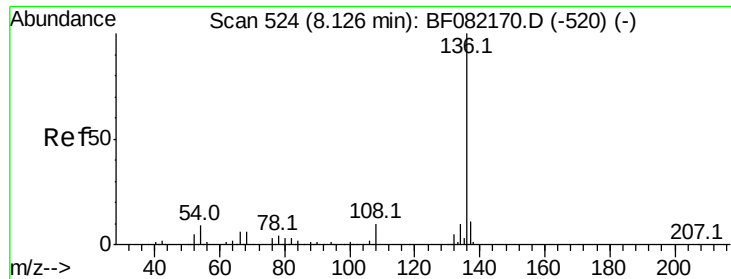
107 100

108 86.3 69.9 109.9

77 130.3 106.0 146.0

79 28.1 9.8 49.8





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

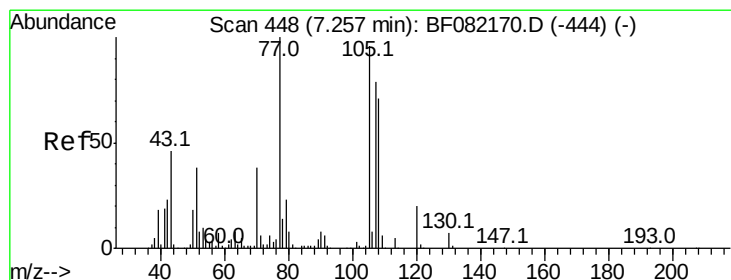
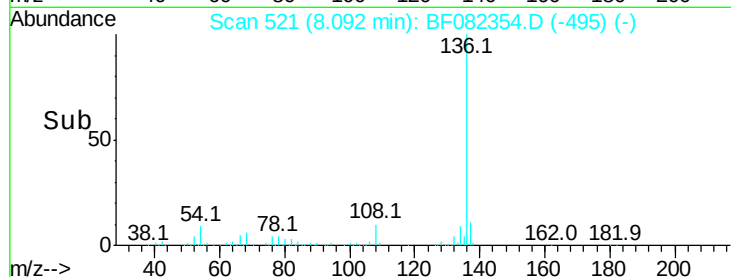
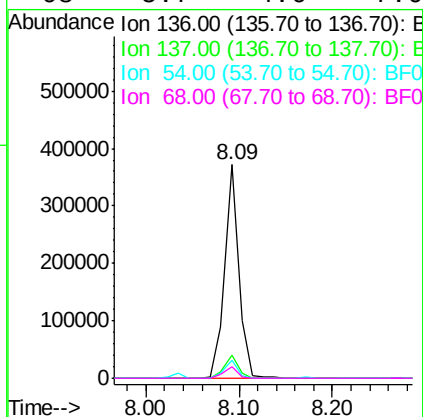
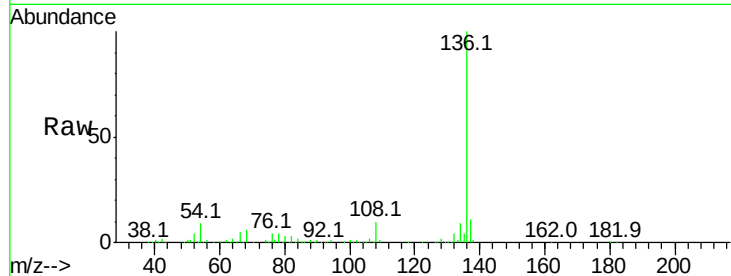
ClientSampleId :

PB86144BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	392208		
137	11.0		9.0	13.6
54	8.7		7.5	11.3
68	5.7		4.6	7.0

Manual Integrations
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#22

Acetophenone

Concen: 41.37 ng

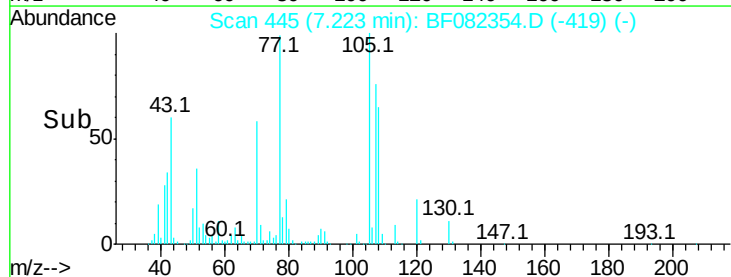
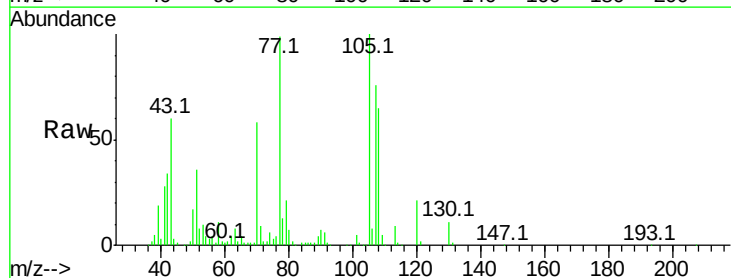
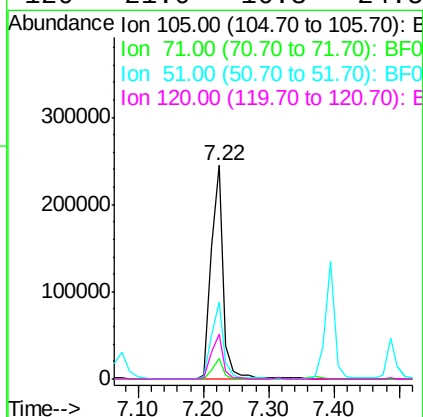
RT: 7.22 min Scan# 445

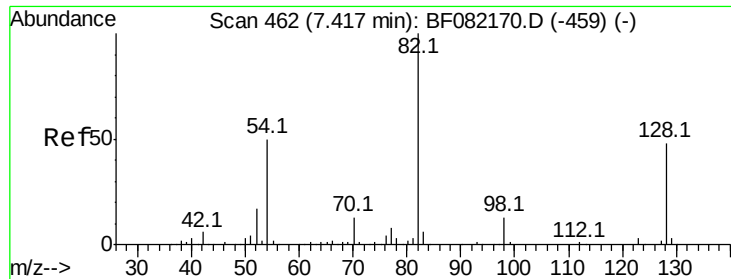
Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	321001		
71	9.4		5.4	8.0#
51	35.7		31.8	47.6
120	21.0		16.3	24.5





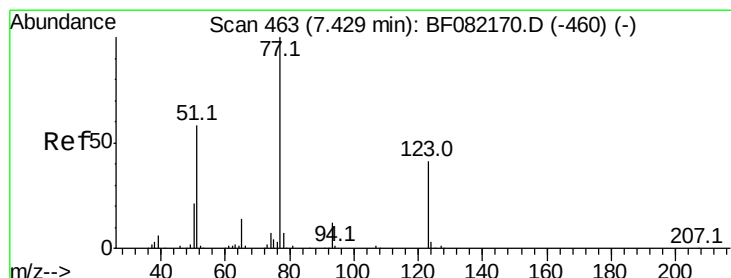
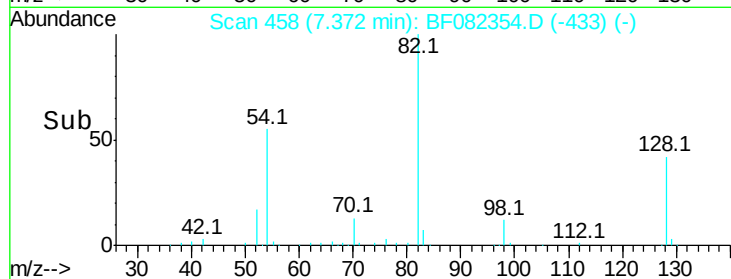
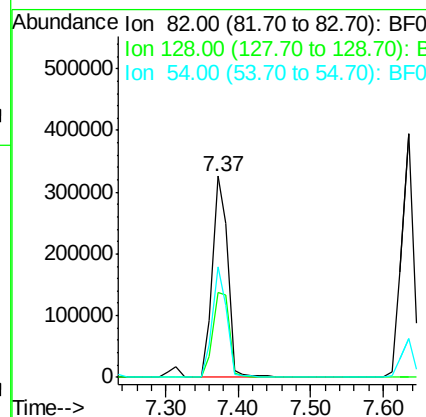
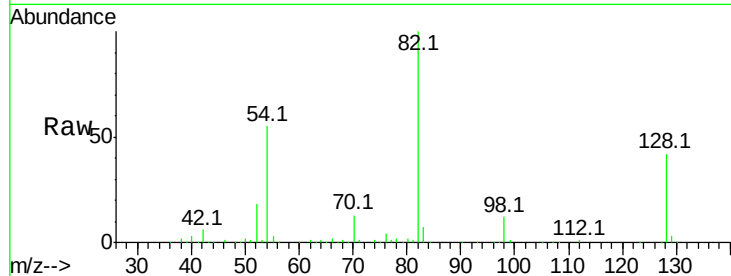
#23
 Nitrobenzene-d5
 Concen: 82.43 ng
 RT: 7.37 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Instrument :
 BNA_F
 ClientSampleId :
 PB86144BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	38.7	58.1
54	55.2	40.1	60.1

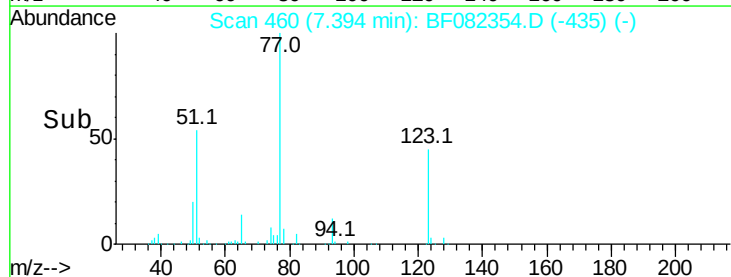
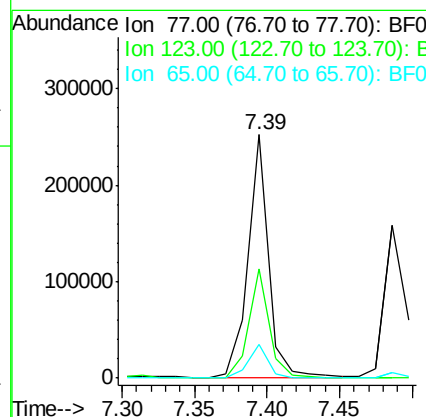
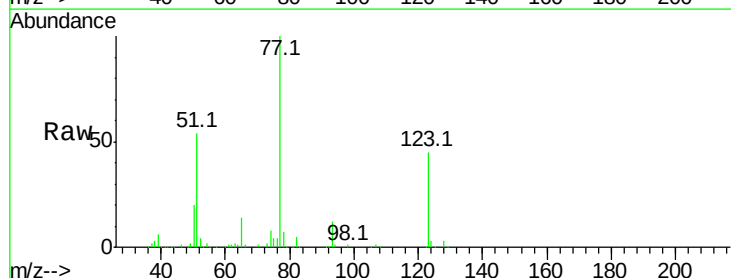
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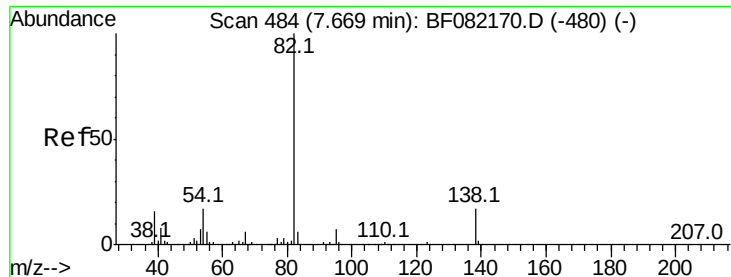
MMdadoda
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#24
 Nitrobenzene
 Concen: 38.96 ng
 RT: 7.39 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.8	33.0	49.4
65	13.9	11.2	16.8





#25

Isophorone

Concen: 38.90 ng

RT: 7.63 min Scan# 481

Delta R.T. -0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

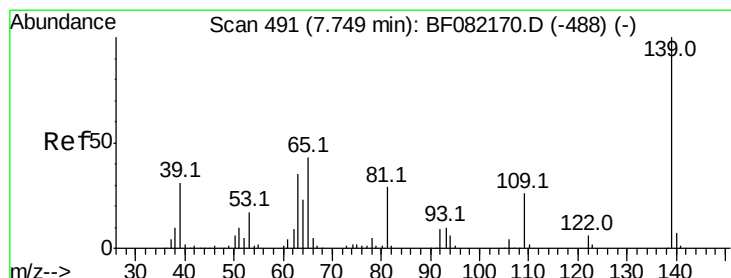
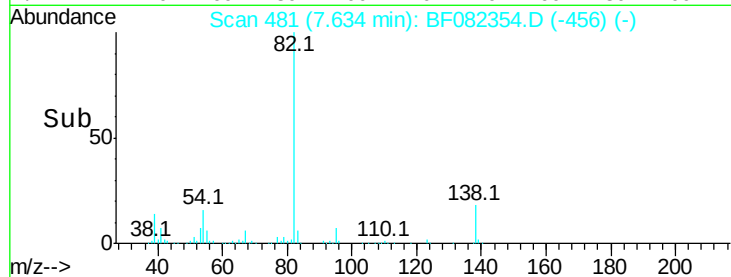
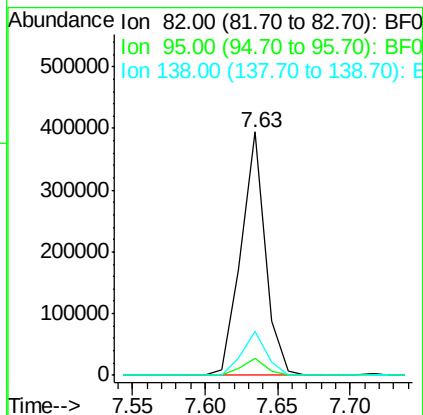
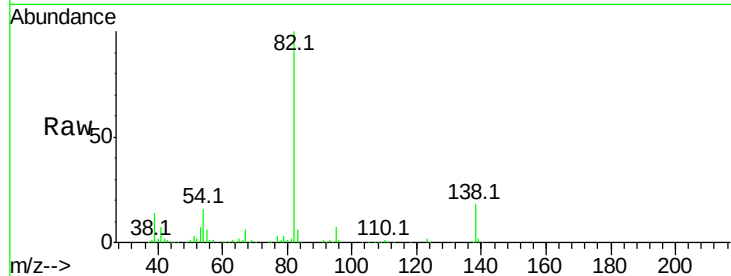
ClientSampleId :

PB86144BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	7.1	5.6	8.4	
138	18.2	13.6	20.4	

Manual Integrations
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#26

2-Nitrophenol

Concen: 43.22 ng

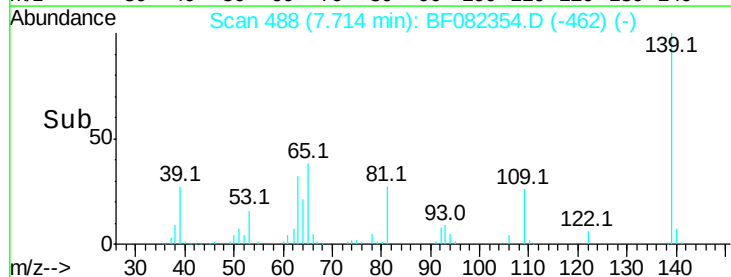
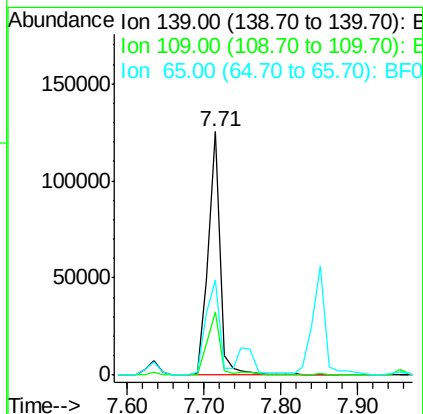
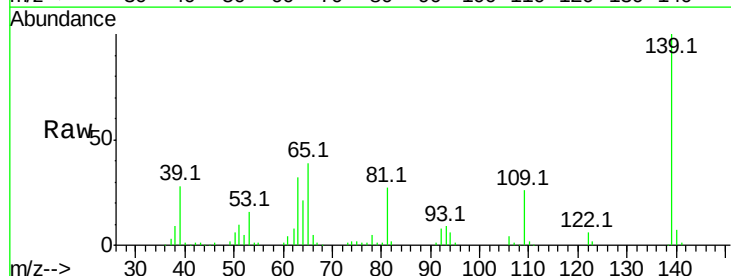
RT: 7.71 min Scan# 488

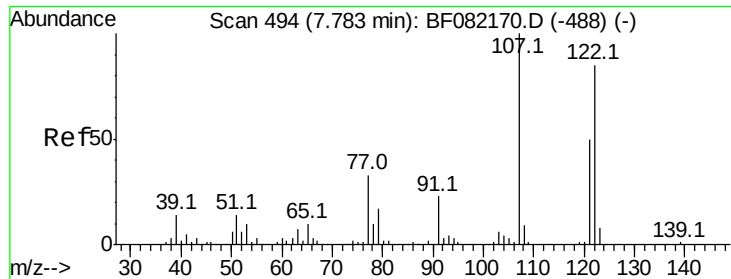
Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	25.8	20.6	31.0	
65	39.0	34.3	51.5	





#27

2,4-Dimethylphenol

Concen: 43.80 ng

RT: 7.76 min Scan# 492

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

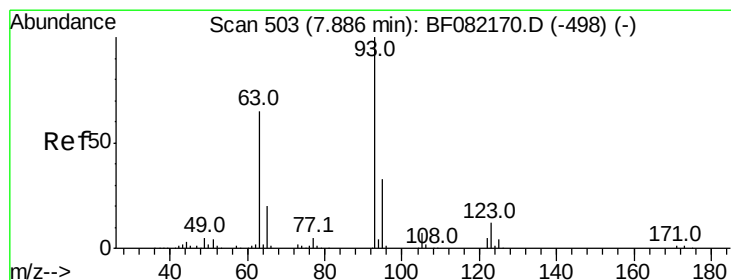
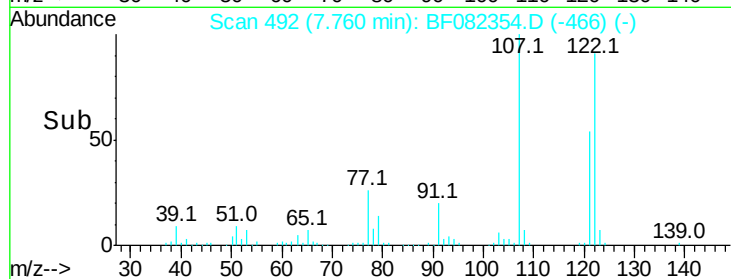
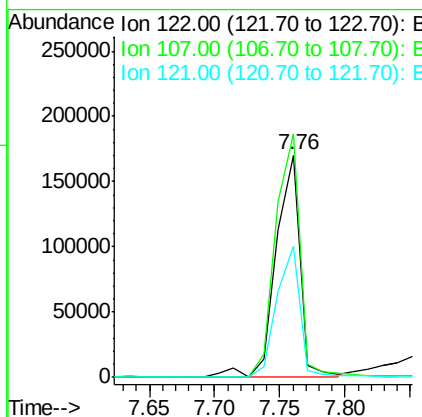
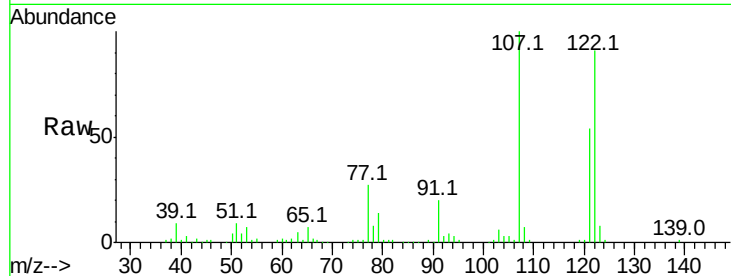
ClientSampleId :

PB86144BS

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		222774		
107	109.7	94.0	141.0		
121	59.1	46.8	70.2		



#28

bis(2-Chloroethoxy)methane

Concen: 42.99 ng

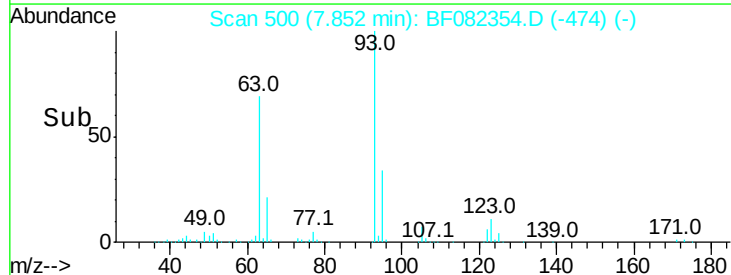
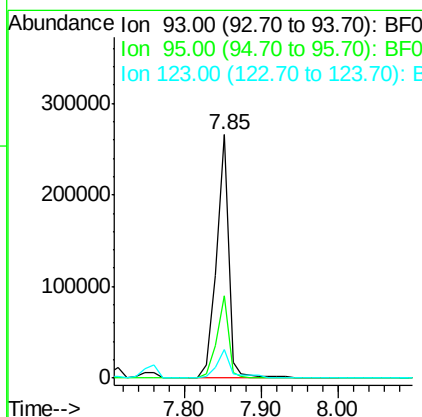
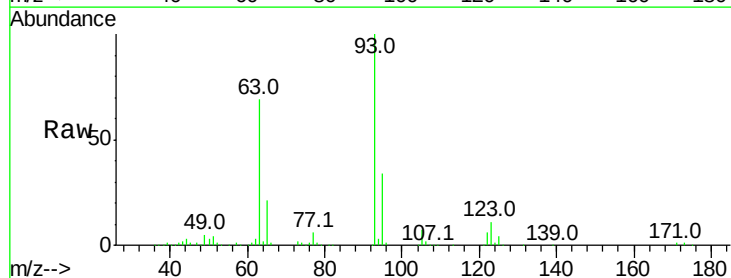
RT: 7.85 min Scan# 500

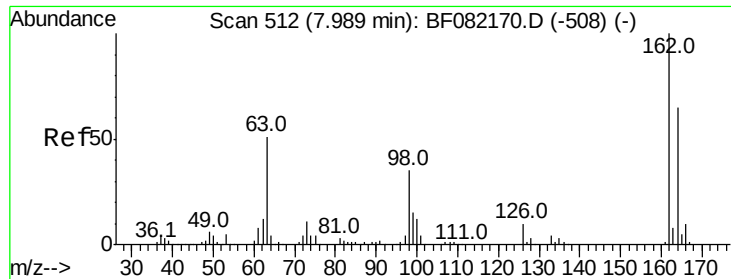
Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		294869		
95	33.6	26.6	39.8		
123	11.5	9.5	14.3		





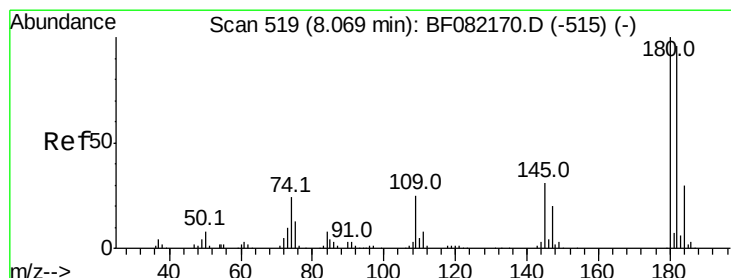
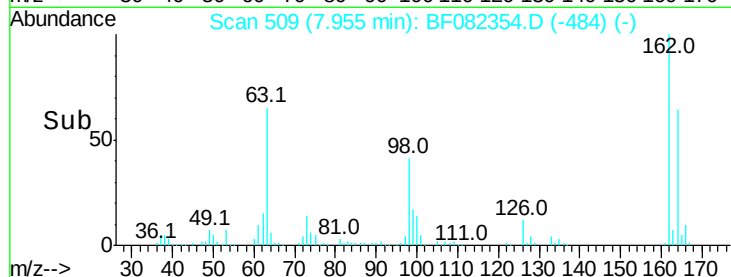
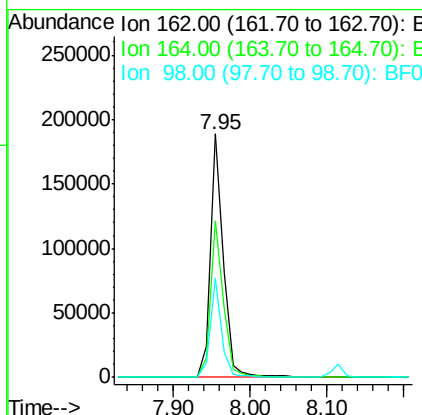
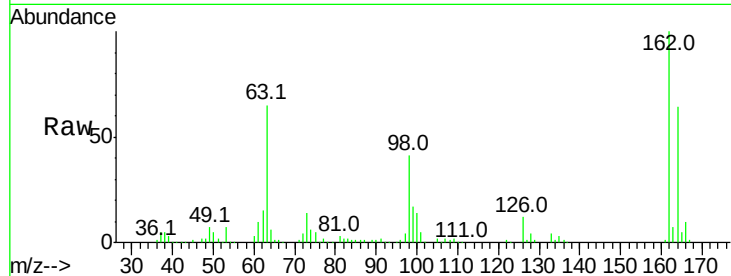
#29
2,4-Dichlorophenol
Concen: 42.88 ng
RT: 7.95 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Instrument :
BNA_F
ClientSampleId :
PB86144BS

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.2	44.6	84.6
98	40.6	15.0	55.0

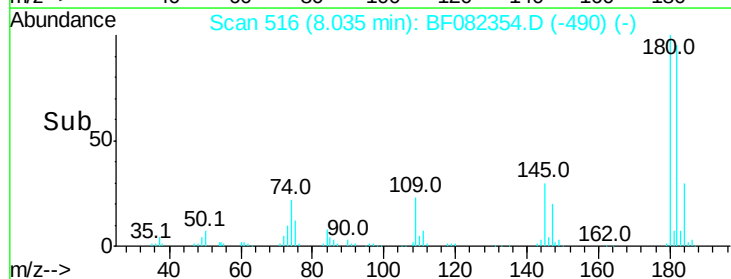
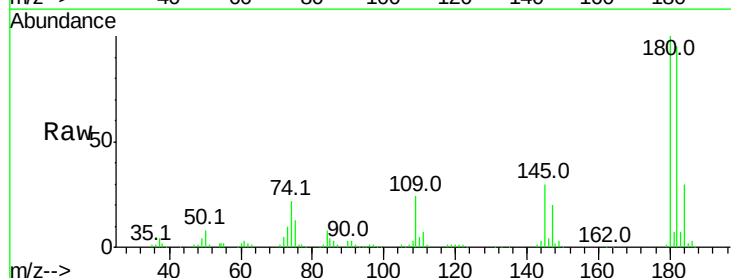
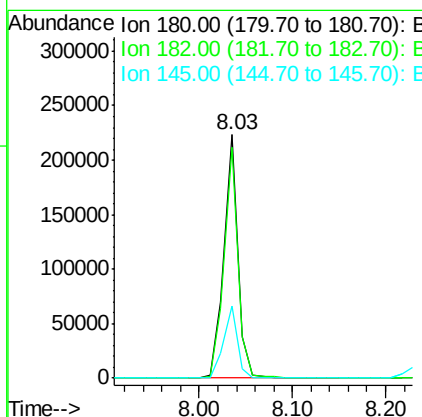
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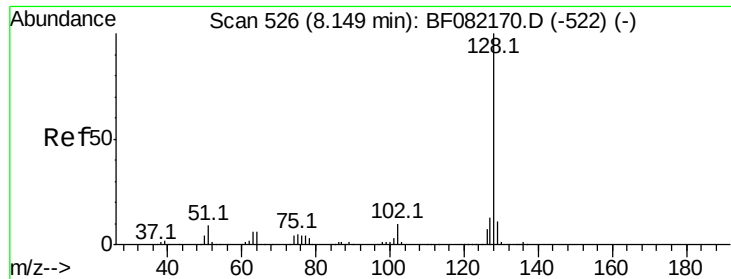
MMdadoda
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#30
1,2,4-Trichlorobenzene
Concen: 39.78 ng
RT: 8.03 min Scan# 516
Delta R.T. -0.00 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.8	77.0	115.4
145	29.5	25.0	37.4





#31

Naphthalene

Concen: 39.72 ng

RT: 8.11 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

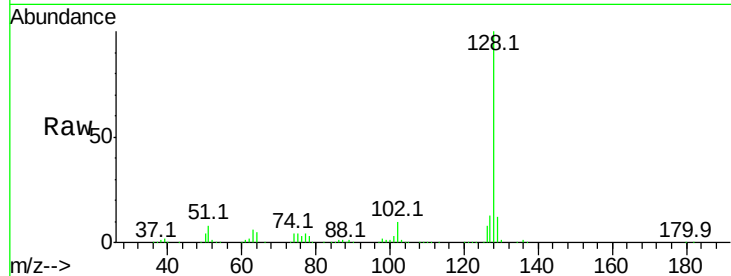
ClientSampleId :

PB86144BS

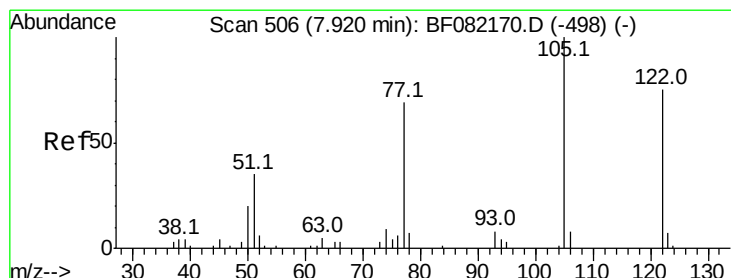
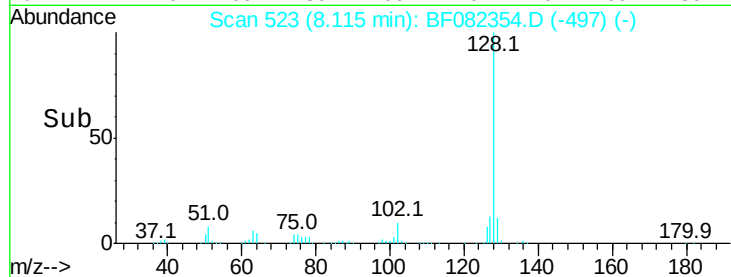
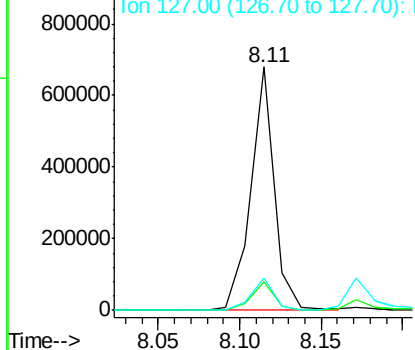
Tot Ion:	128	Resp:	675314
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.1	13.7
127	13.5	10.7	16.1

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 38.22 ng

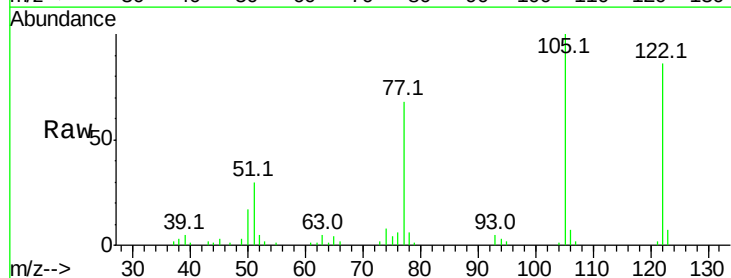
RT: 7.90 min Scan# 504

Delta R.T. -0.01 min

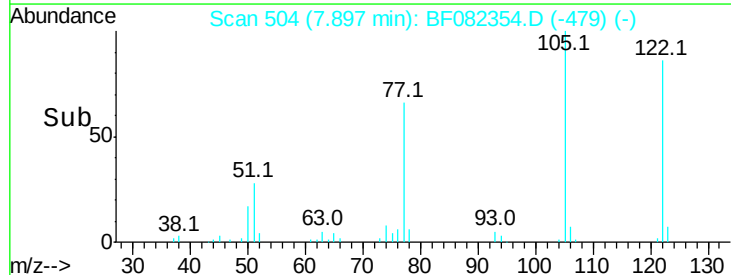
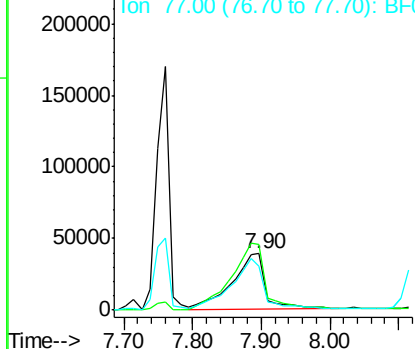
Lab File: BF082354.D

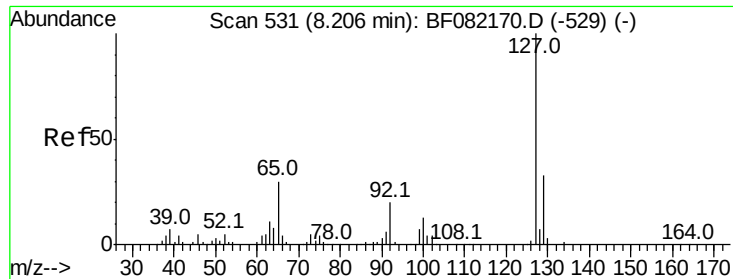
Acq: 19 Oct 2015 14:34

Tgt Ion:	122	Resp:	130469
Ion Ratio	Lower	Upper	
122	100		
105	115.8	104.4	144.4
77	79.1	69.0	109.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





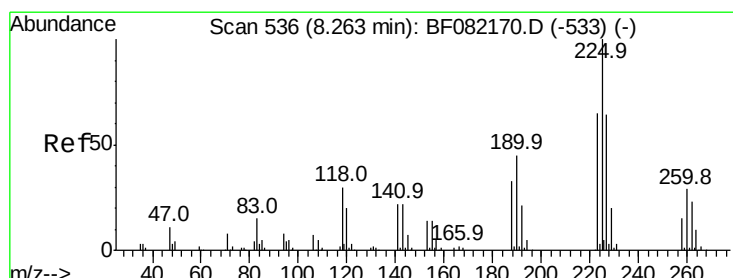
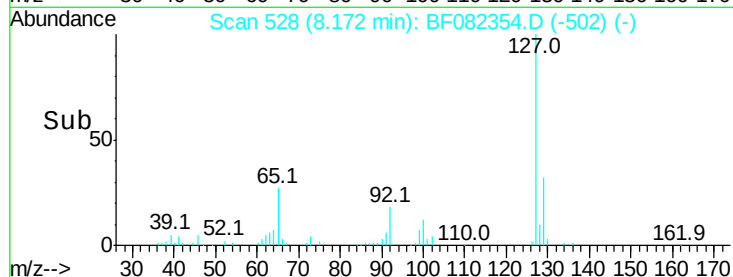
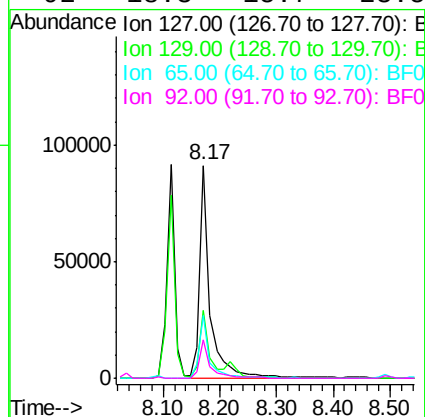
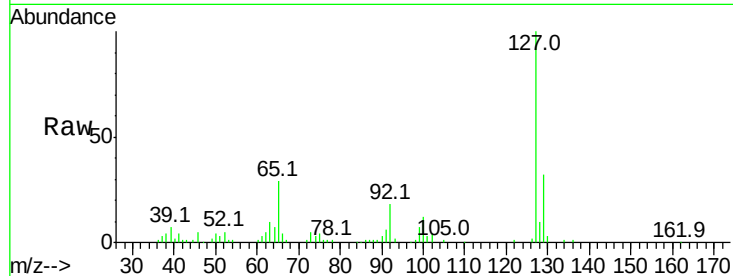
#33
4-Chloroaniline
Concen: 16.60 ng
RT: 8.17 min Scan# 528
Delta R.T. -0.00 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Instrument :
BNA_F
ClientSampleId :
PB86144BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100	117243		
129	31.7	26.3	39.5	
65	29.3	24.4	36.6	
92	18.3	15.7	23.5	

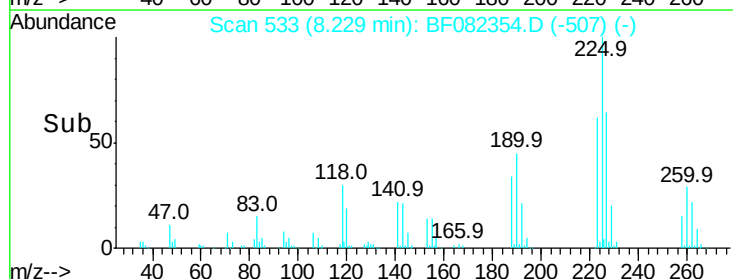
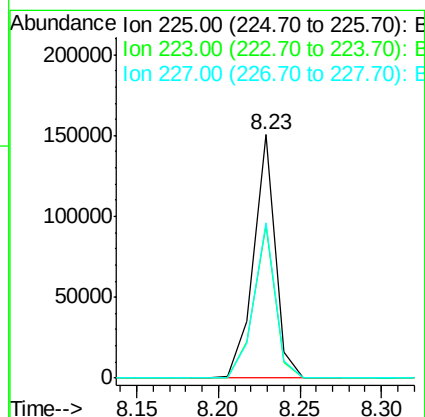
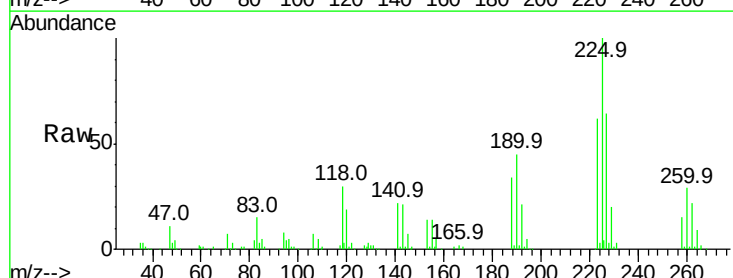
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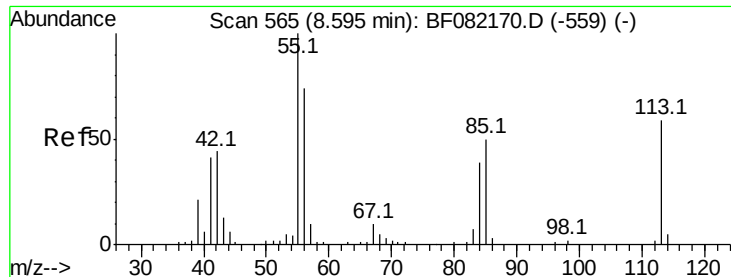
MMdadoda
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#34
Hexachlorobutadiene
Concen: 38.13 ng
RT: 8.23 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	139237		
223	62.5	52.2	78.2	
227	63.8	51.3	76.9	





#35

Caprolactam

Concen: 42.52 ng

RT: 8.55 min Scan# 561

Delta R.T. -0.02 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

ClientSampleId :

PB86144BS

Tot Ion:113 Resp: 62732

Ion Ratio Lower Upper

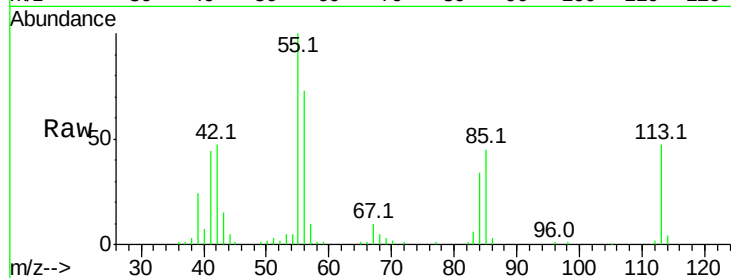
113 100

55 211.9 149.7 189.7#

56 154.2 105.4 145.4#

Manual Integrations
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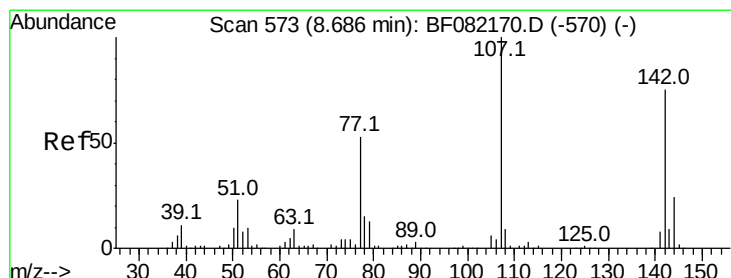
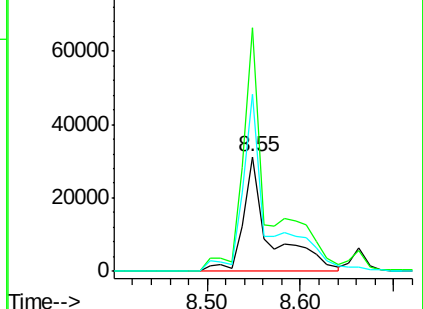
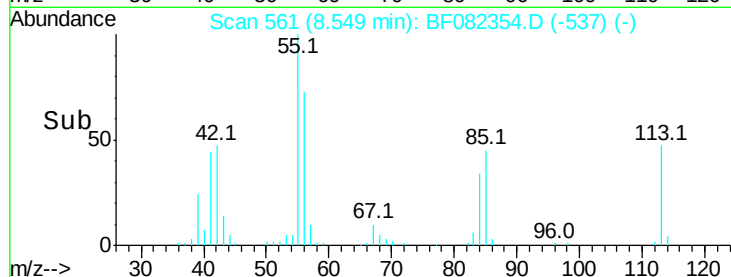
MMdadoda
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 44.46 ng

RT: 8.66 min Scan# 571

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

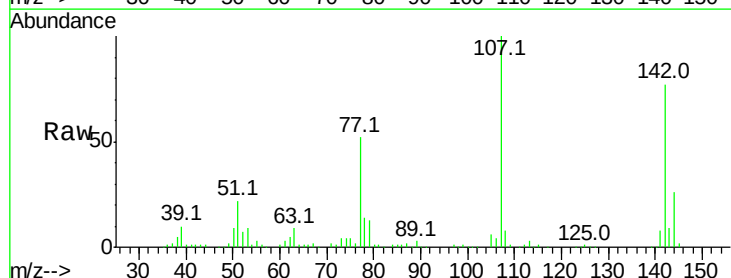
Tgt Ion:107 Resp: 221009

Ion Ratio Lower Upper

107 100

144 25.5 19.3 28.9

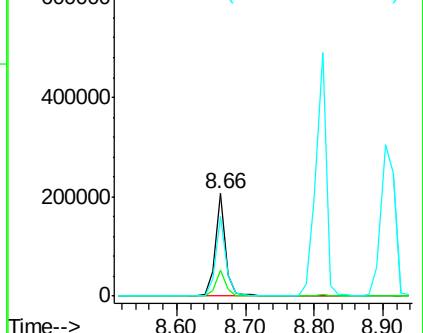
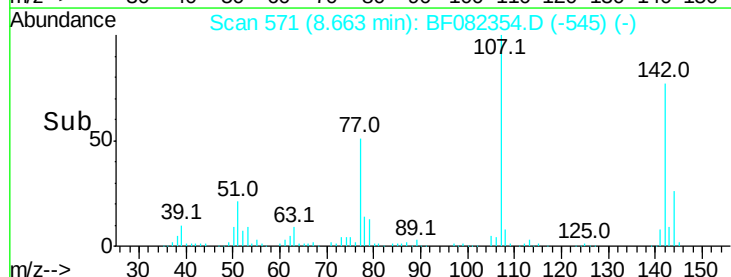
142 77.3 59.9 89.9

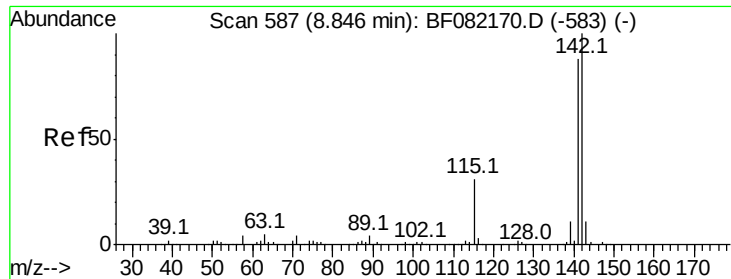


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





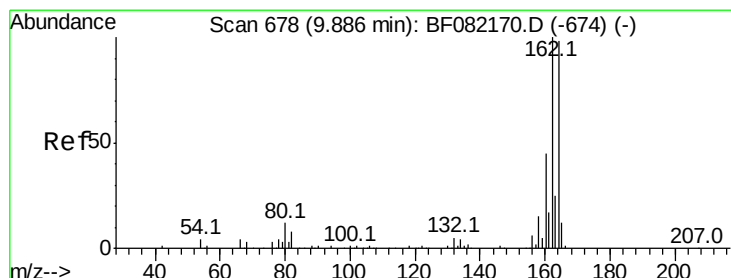
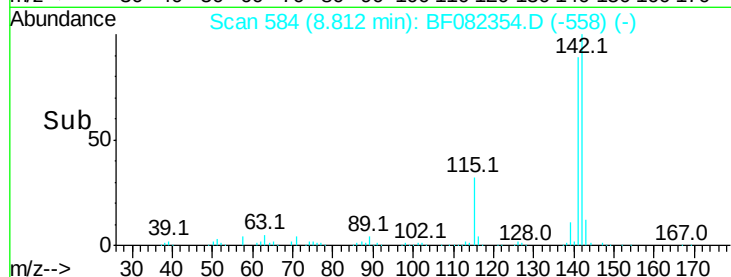
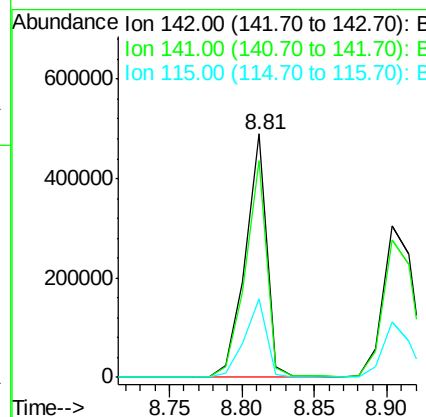
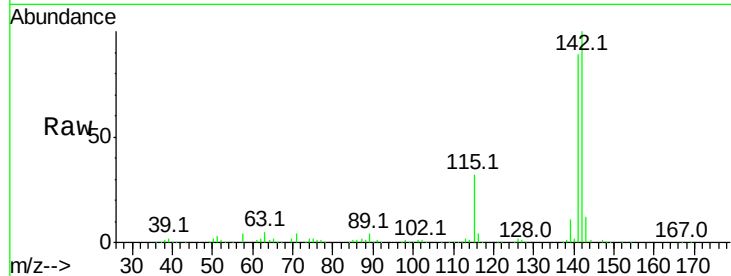
#37
2-Methylnaphthalene
Concen: 42.85 ng
RT: 8.81 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Instrument :
BNA_F
ClientSampleId :
PB86144BS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	505084		
141	88.9	70.4	105.6	
115	32.4	24.6	37.0	

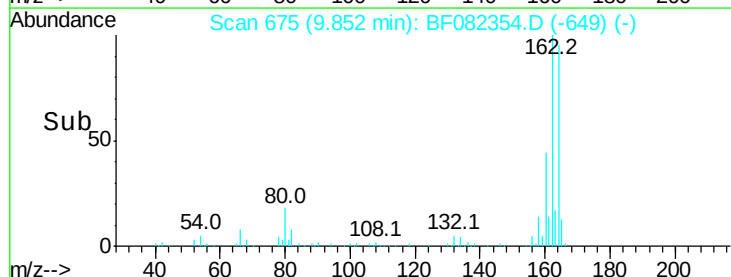
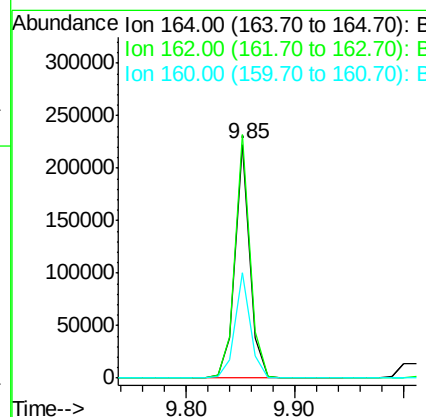
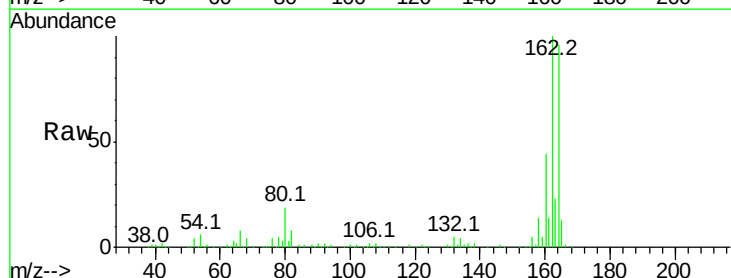
Manual Integrations
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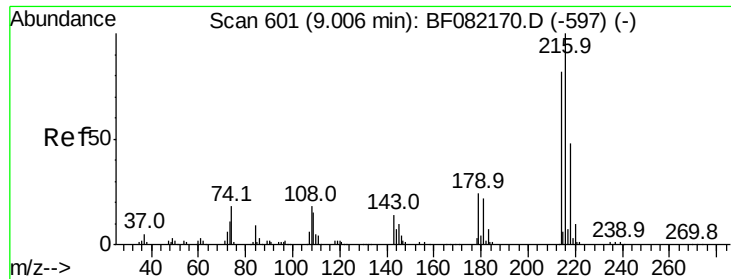
MMdadoda
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.00 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	208807		
162	104.0	81.6	122.4	
160	45.3	36.4	54.6	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 36.20 ng

RT: 8.97 min Scan# 598

Delta R.T. -0.01 min

Lab File: BF082354.D

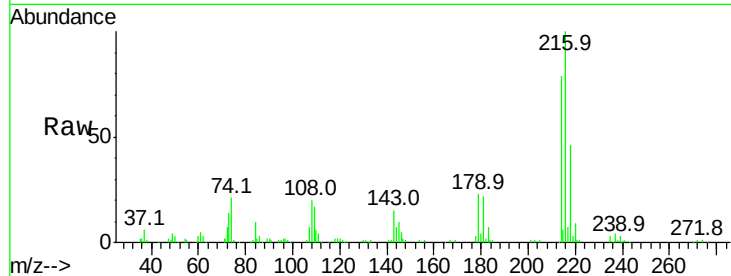
Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

ClientSampleId :

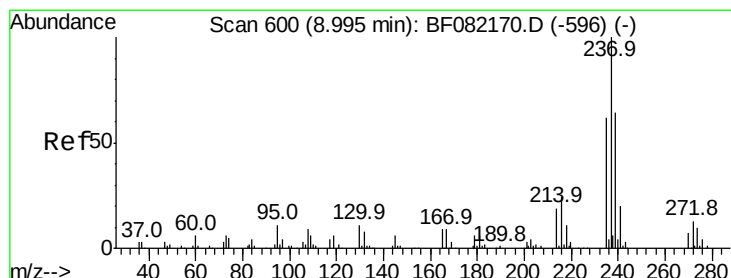
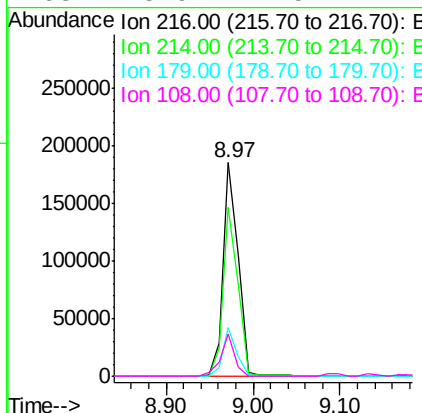
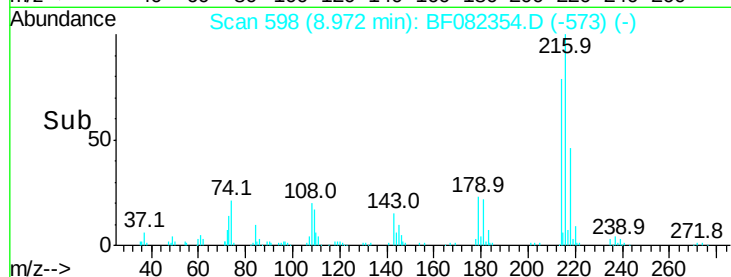
PB86144BS



Tot Ion	Ratio	Resp	Lower	Upper
216	100	224804		
214	78.4	64.6	97.0	
179	20.7	17.6	26.4	
108	18.9	14.5	21.7	

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#40

Hexachlorocyclopentadiene

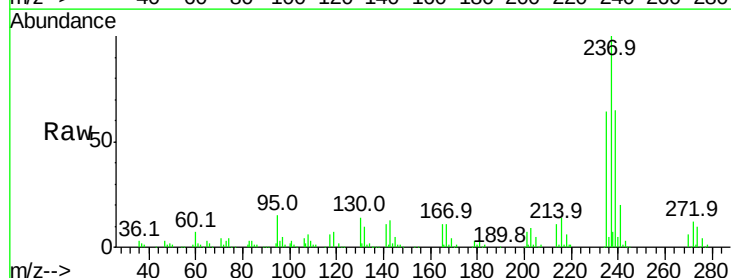
Concen: 64.19 ng

RT: 8.96 min Scan# 597

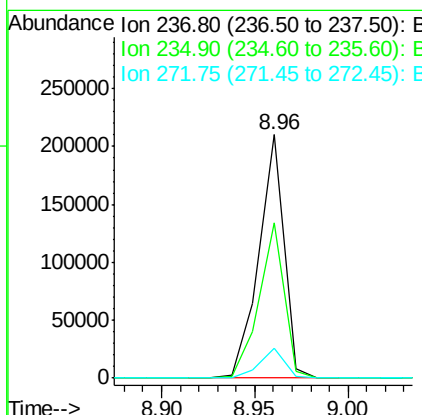
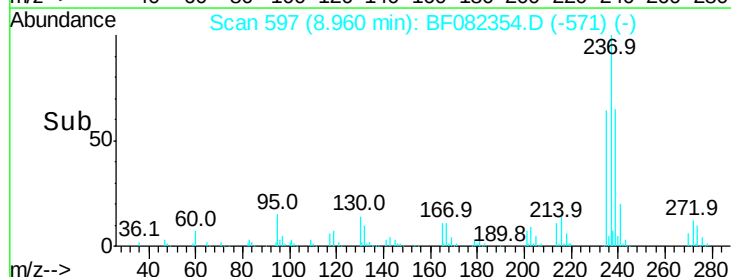
Delta R.T. -0.00 min

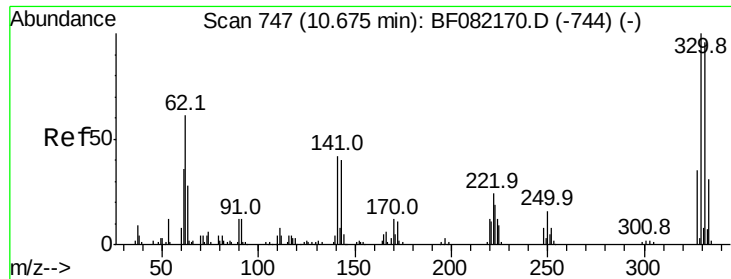
Lab File: BF082354.D

Acq: 19 Oct 2015 14:34



Tgt Ion	Ratio	Resp	Lower	Upper
237	100	195984		
235	63.6	41.7	81.7	
272	12.2	0.0	32.8	





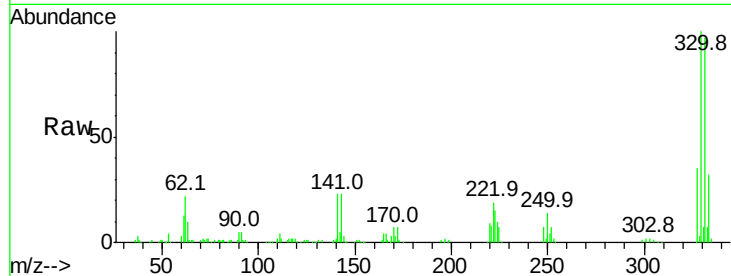
#41
 2,4,6-Tribromophenol
 Concen: 106.71 ng
 RT: 10.65 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Instrument :
 BNA_F
 ClientSampleId :
 PB86144BS

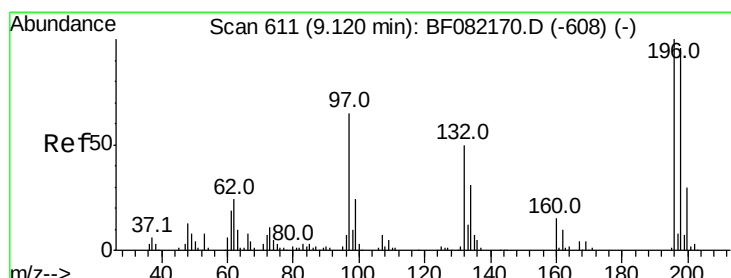
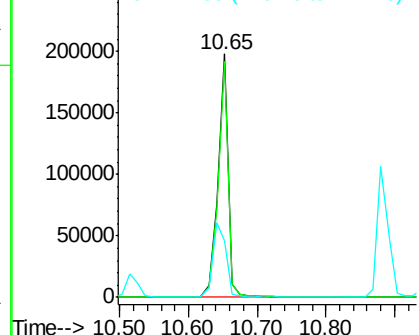
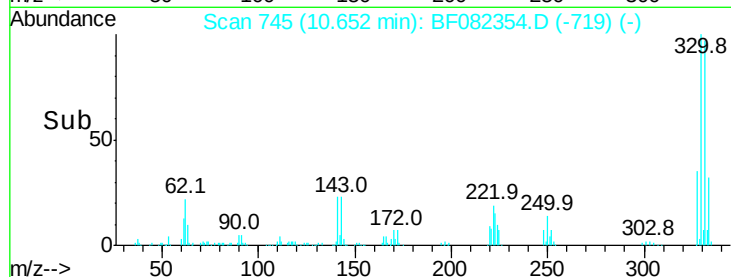
Tot Ion	Ratio	Resp	Lower	Upper
330	100	208959		
332	95.9	77.1	115.7	
141	39.5	29.8	44.8	

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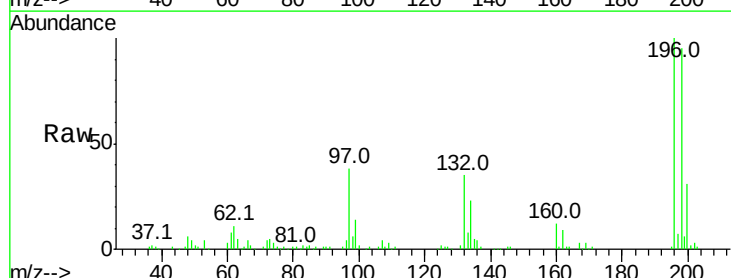


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

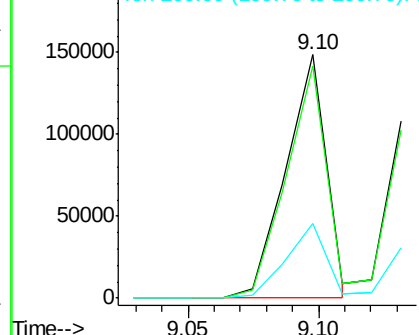
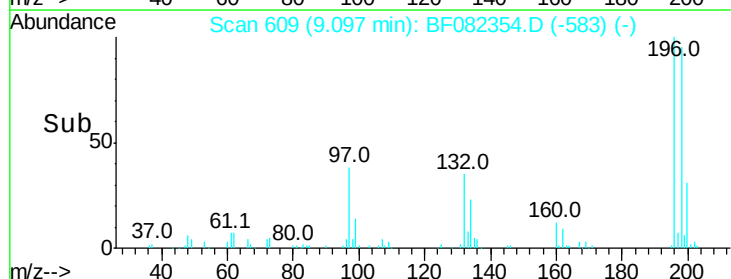


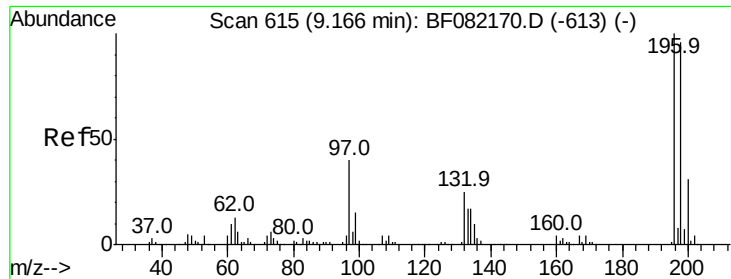
#42
 2,4,6-Trichlorophenol
 Concen: 38.52 ng
 RT: 9.10 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	158897		
198	95.5	76.6	115.0	
200	30.6	23.7	35.5	



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





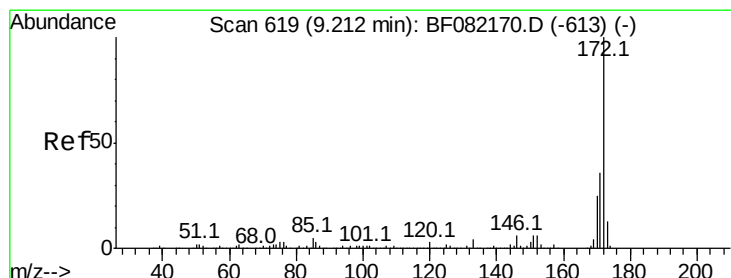
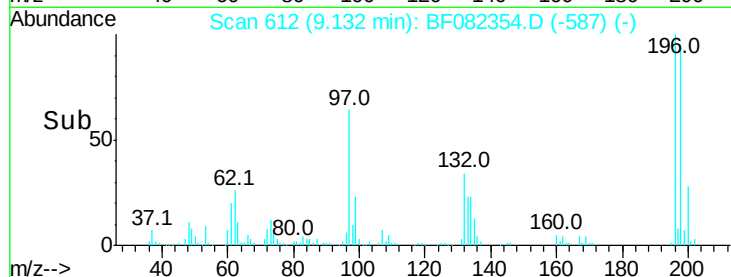
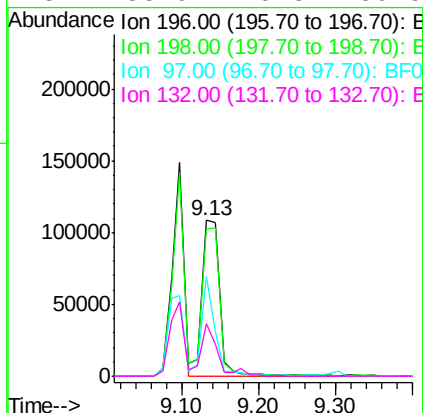
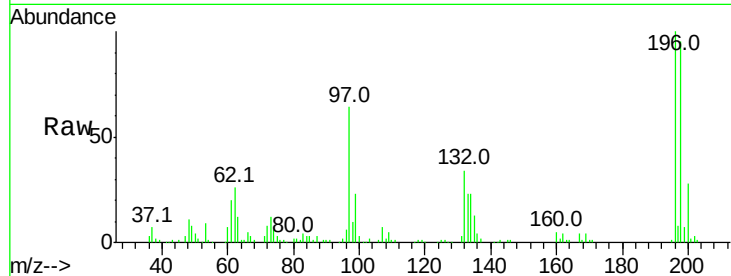
#43
 2,4,5-Trichlorophenol
 Concen: 38.27 ng
 RT: 9.13 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Instrument :
 BNA_F
 ClientSampleId :
 PB86144BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	171011		
198	94.9	77.0	115.4	
97	64.4	31.9	47.9	
132	33.9	20.3	30.5	

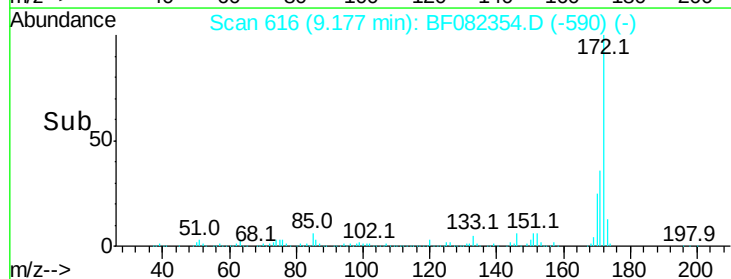
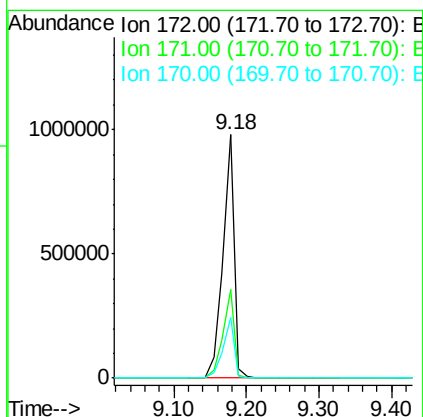
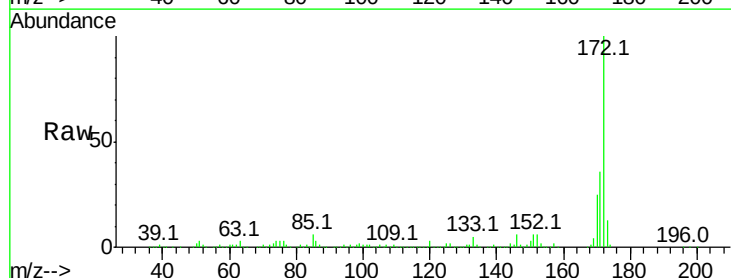
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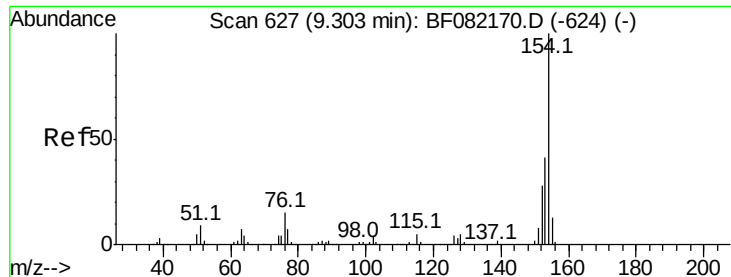
MMdadoda
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#44
 2-Fluorobiphenyl
 Concen: 84.16 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1059614		
171	36.5	28.6	42.8	
170	24.8	19.7	29.5	





#45

1,1'-Biphenyl

Concen: 38.62 ng

RT: 9.28 min Scan# 625

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

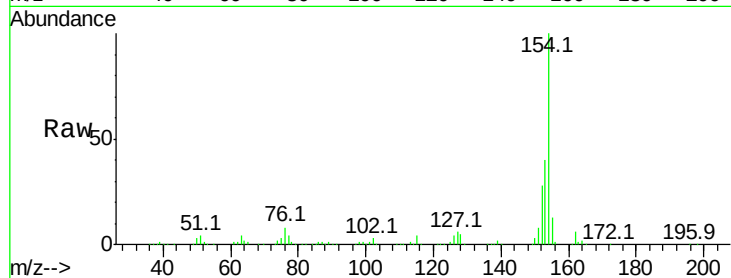
ClientSampleId :

PB86144BS

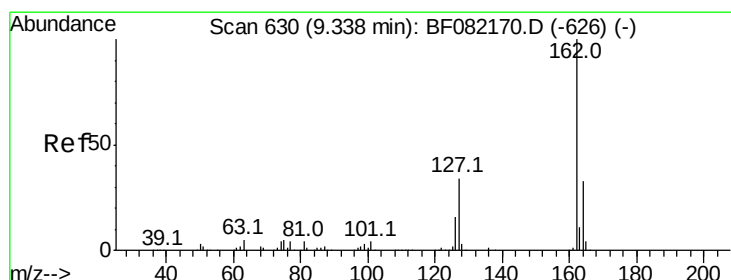
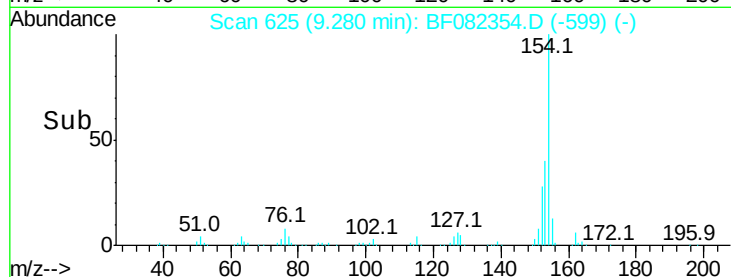
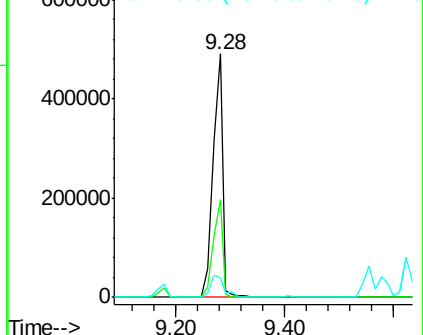
Tot Ion:	154	Resp:	614987
Ion Ratio	Lower	Upper	
154	100		
153	40.3	20.6	60.6
76	8.1	0.0	35.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 39.52 ng

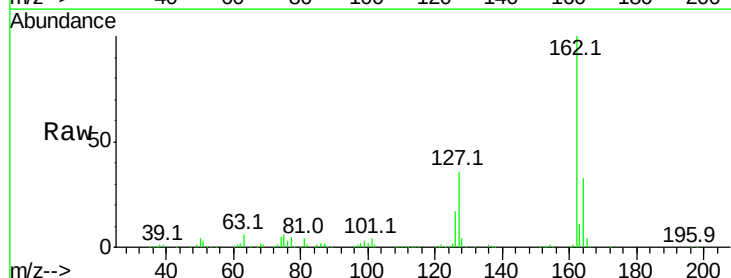
RT: 9.30 min Scan# 627

Delta R.T. -0.00 min

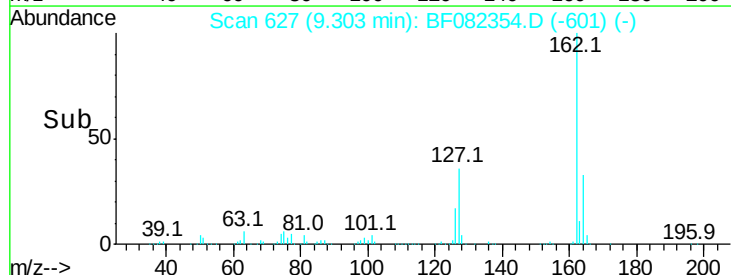
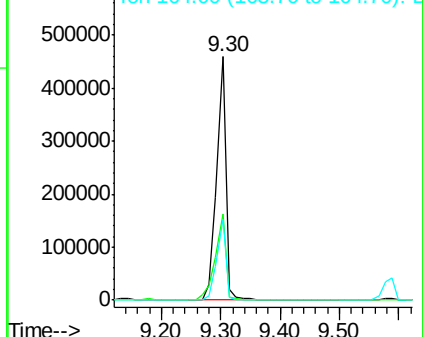
Lab File: BF082354.D

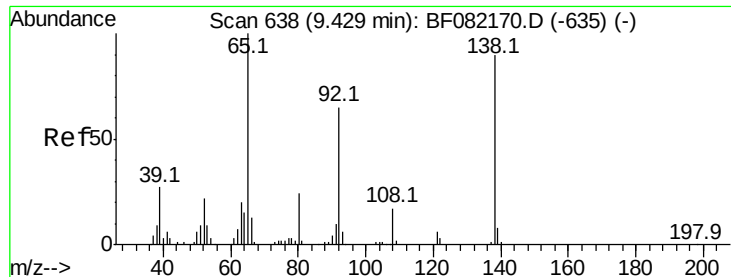
Acq: 19 Oct 2015 14:34

Tgt Ion:	162	Resp:	495349
Ion Ratio	Lower	Upper	
162	100		
127	35.6	27.5	41.3
164	33.4	26.6	39.8



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 42.66 ng

RT: 9.41 min Scan# 636

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

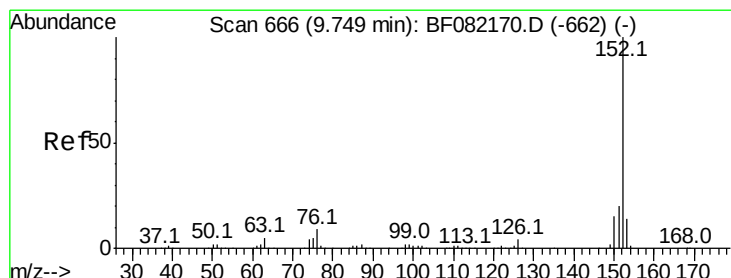
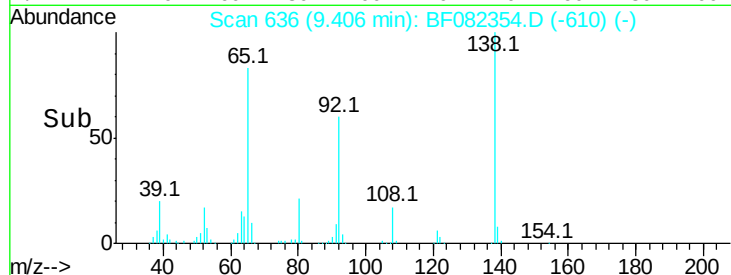
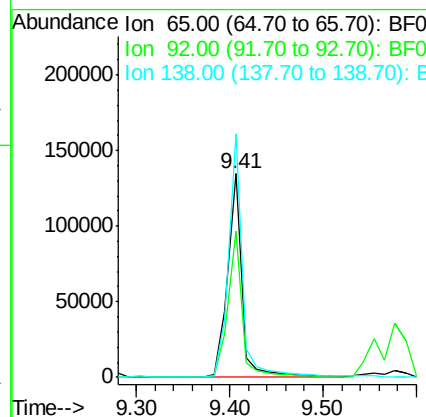
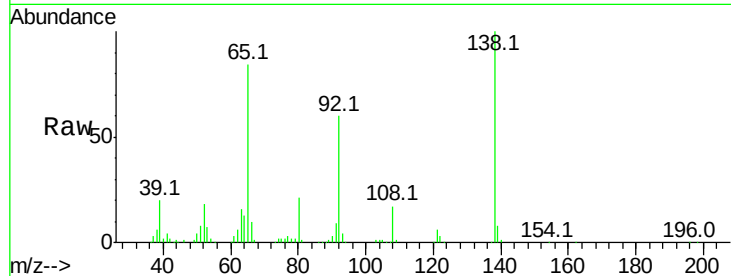
ClientSampleId :

PB86144BS

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Tot Ion	Ratio	Lower	Upper
65	100		
92	71.5	52.3	78.5
138	119.5	72.2	108.4



#48

Acenaphthylene

Concen: 38.13 ng

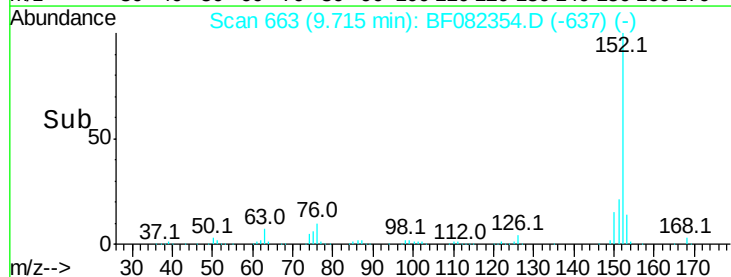
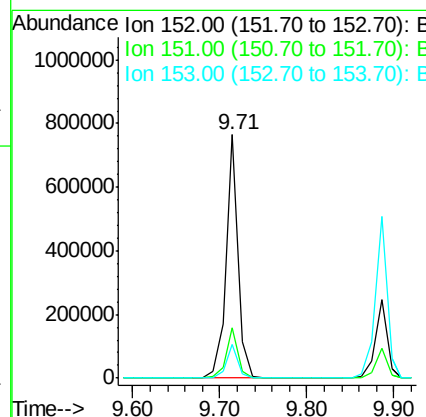
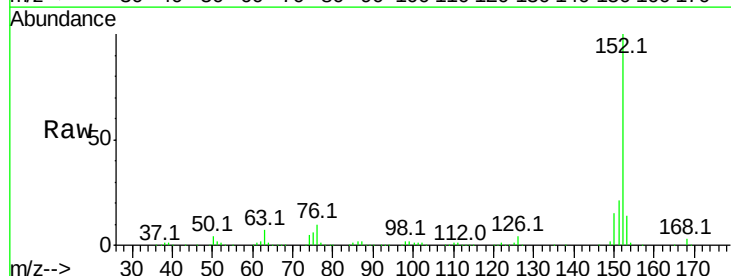
RT: 9.71 min Scan# 663

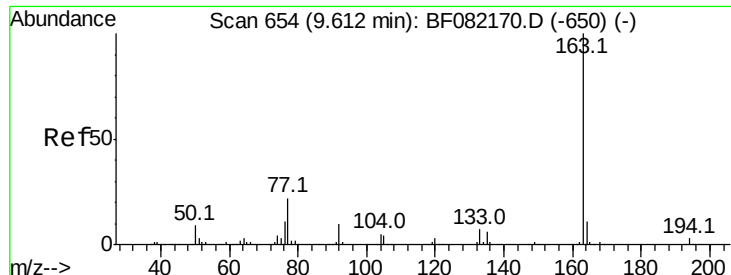
Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.4	24.6
153	13.8	10.8	16.2





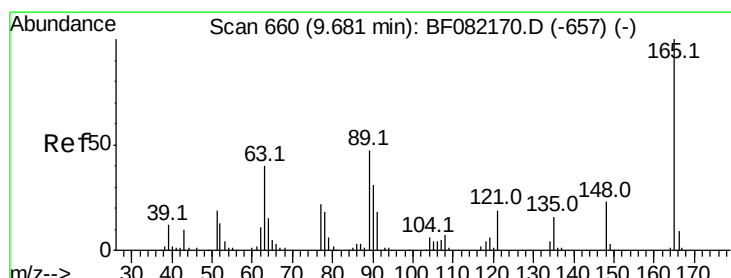
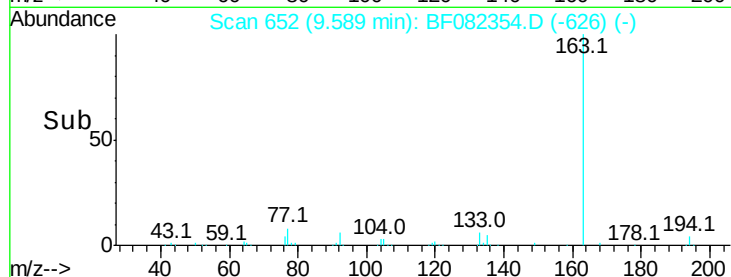
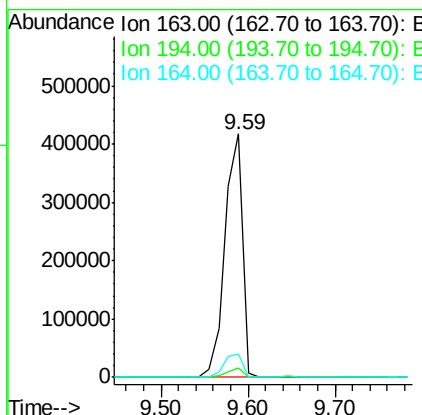
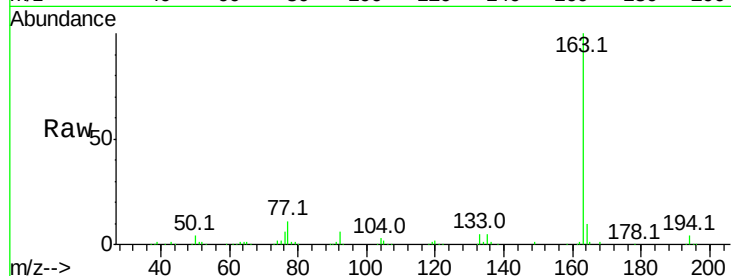
#49
Dimethylphthalate
Concen: 39.94 ng
RT: 9.59 min Scan# 652
Delta R.T. -0.00 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Instrument :
BNA_F
ClientSampleId :
PB86144BS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	587210		
194	3.8		2.6	4.0
164	9.8		8.5	12.7

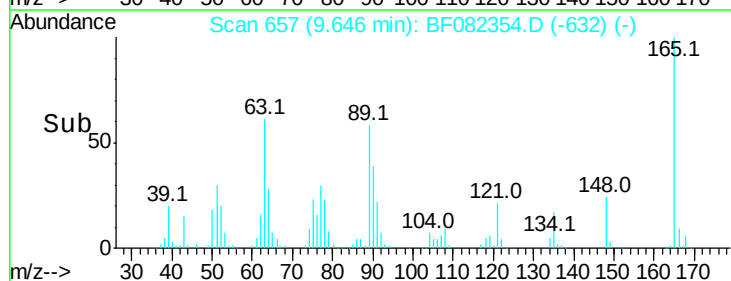
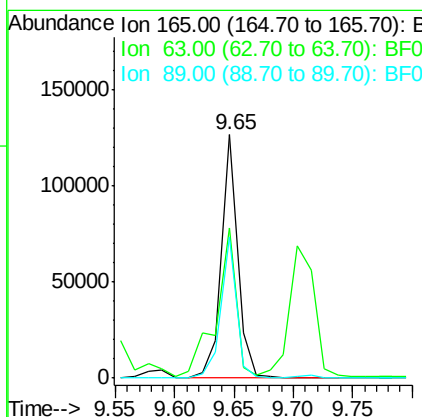
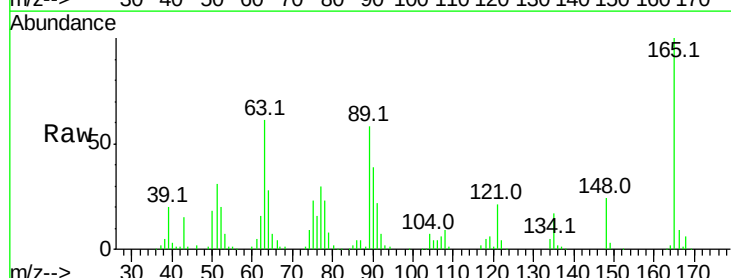
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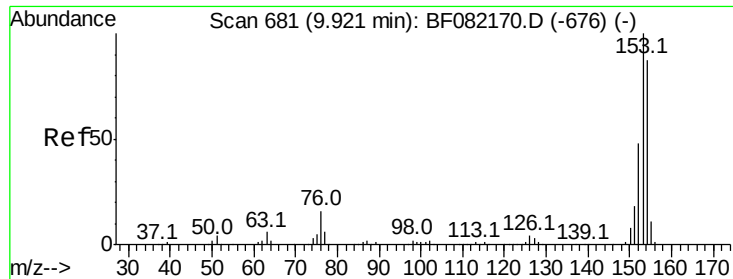
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#50
2,6-Dinitrotoluene
Concen: 39.02 ng
RT: 9.65 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	121058		
63	61.4		36.7	55.1#
89	58.2		37.8	56.6#





#51

Acenaphthene

Concen: 36.34 ng

RT: 9.89 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

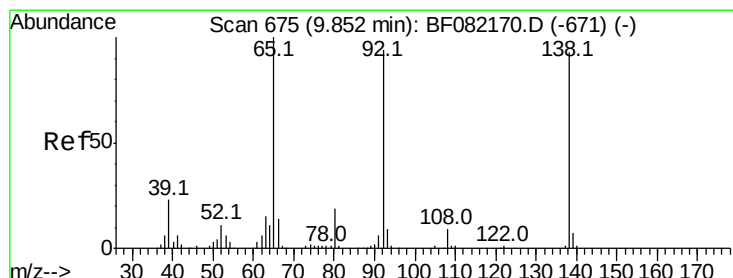
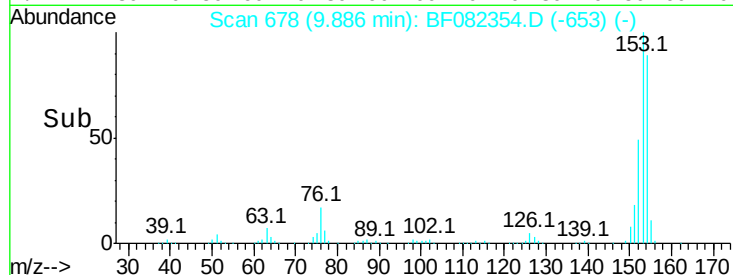
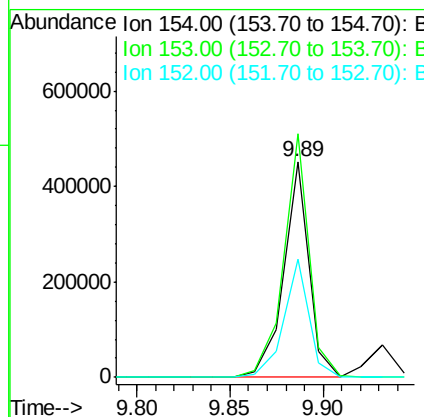
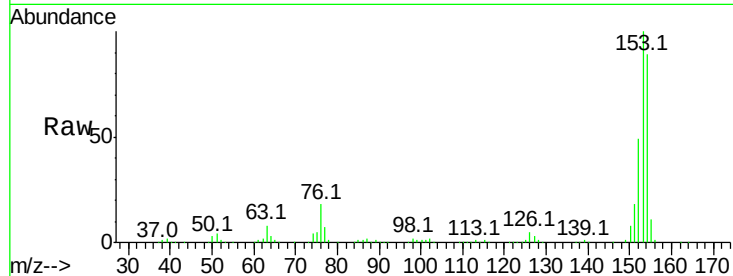
ClientSampleId :

PB86144BS

Tot Ion:	154	Resp:	426023
Ion Ratio	Lower	Upper	
154	100		
153	113.0	91.4	137.2
152	54.9	44.3	66.5

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#52

3-Nitroaniline

Concen: 19.07 ng

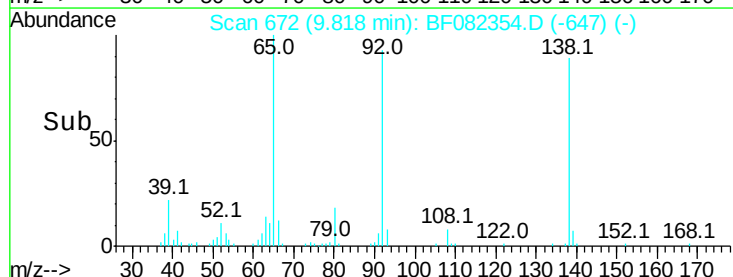
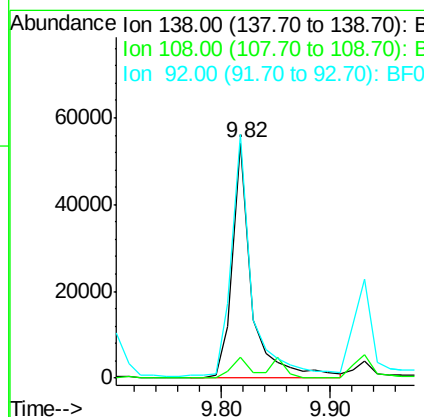
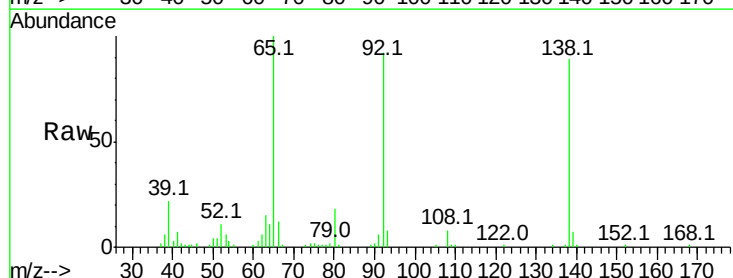
RT: 9.82 min Scan# 672

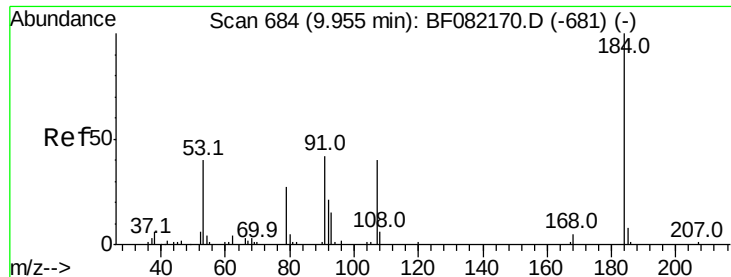
Delta R.T. -0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion:	138	Resp:	66828
Ion Ratio	Lower	Upper	
138	100		
108	8.9	7.4	11.0
92	103.7	81.3	121.9





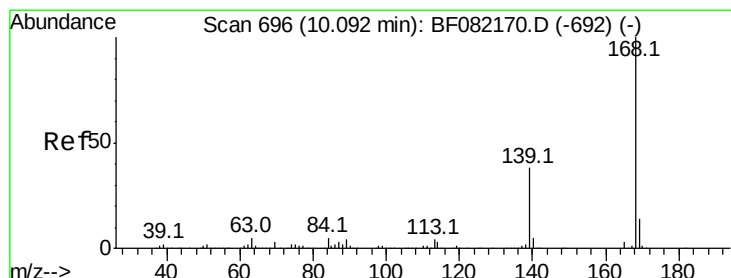
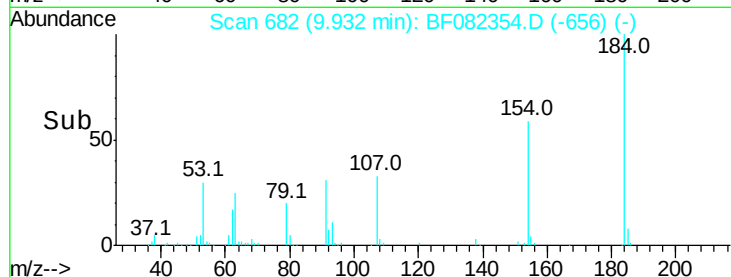
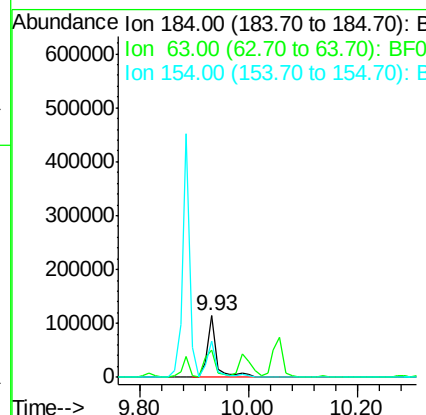
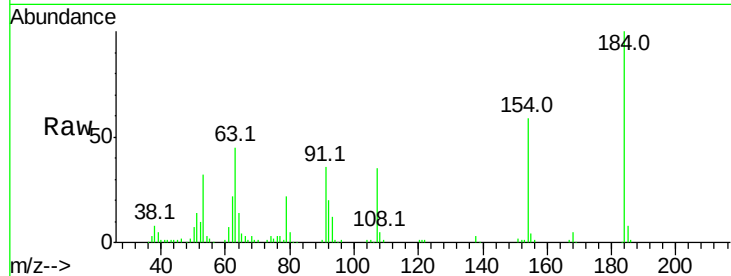
#53
2,4-Dinitrophenol
Concen: 78.44 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Instrument :
BNA_F
ClientSampleId :
PB86144BS

Tot Ion	Ratio	Lower	Upper
184	100		
63	45.1	45.1	67.7#
154	59.5	51.2	76.8

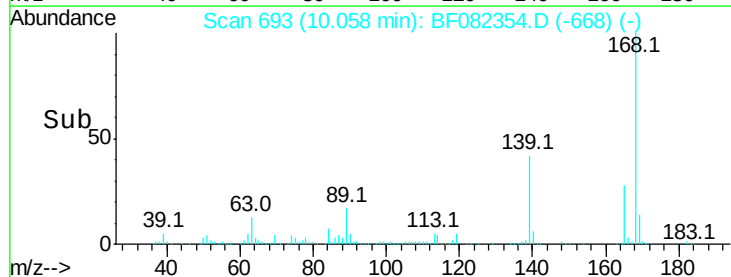
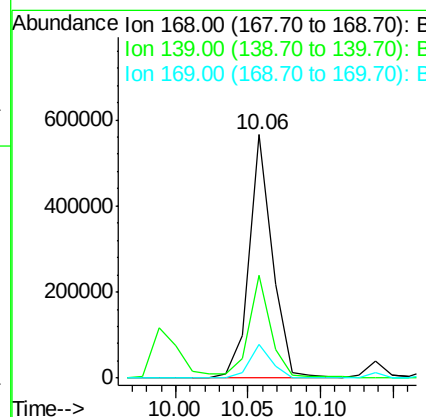
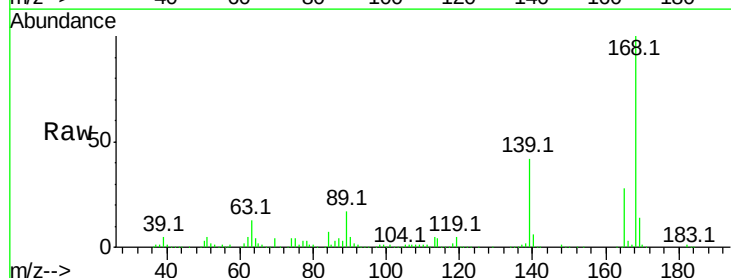
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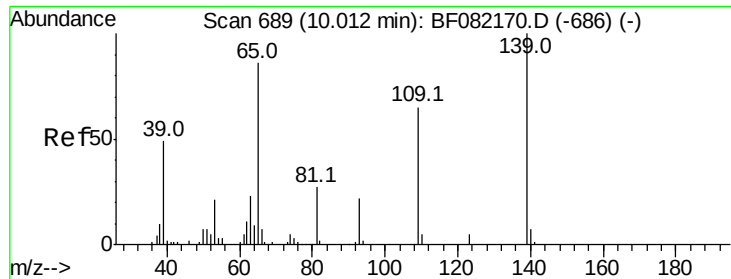
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#54
Dibenzofuran
Concen: 39.08 ng
RT: 10.06 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Lower	Upper
168	100		
139	42.0	31.0	46.6
169	14.1	10.9	16.3





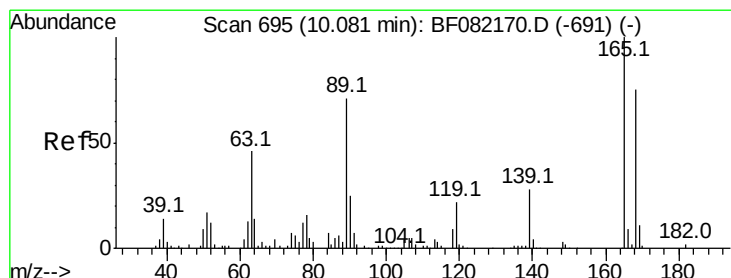
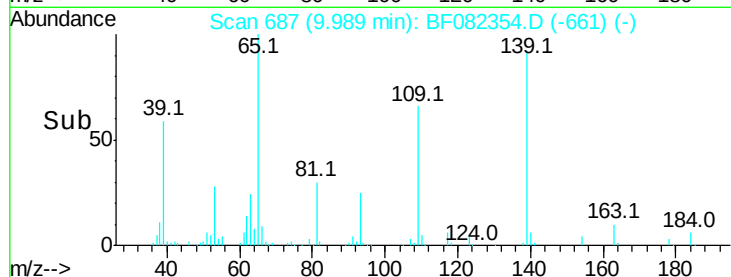
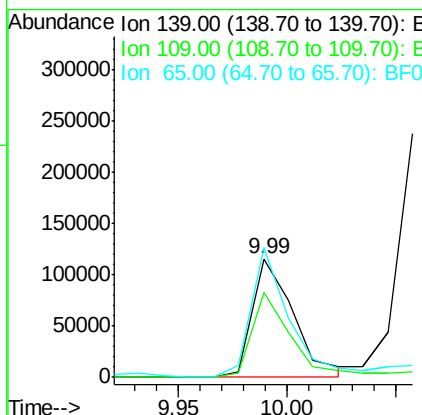
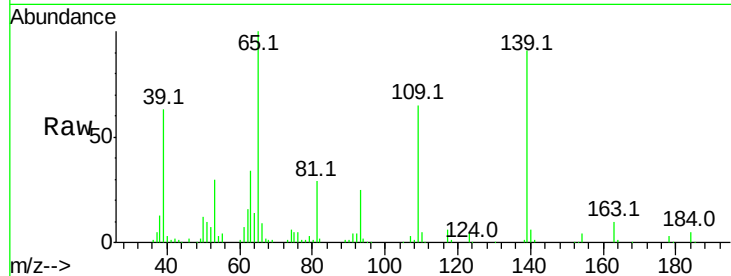
#55
4-Nitrophenol
Concen: 67.21 ng
RT: 9.99 min Scan# 687
Delta R.T. -0.00 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Instrument :
BNA_F
ClientSampleId :
PB86144BS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	152296		
109	71.5	44.8	84.8	
65	109.7	67.7	107.7	

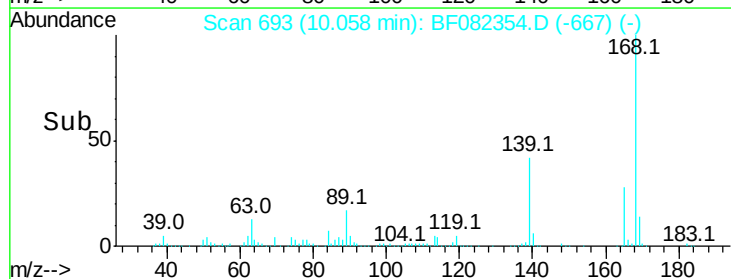
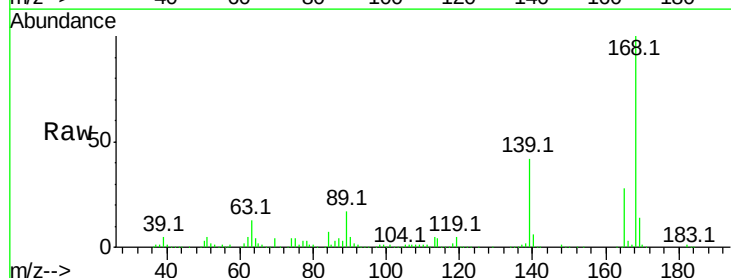
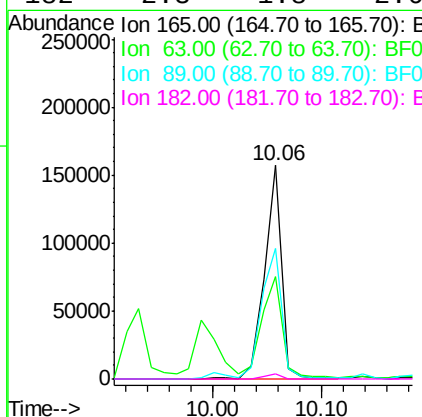
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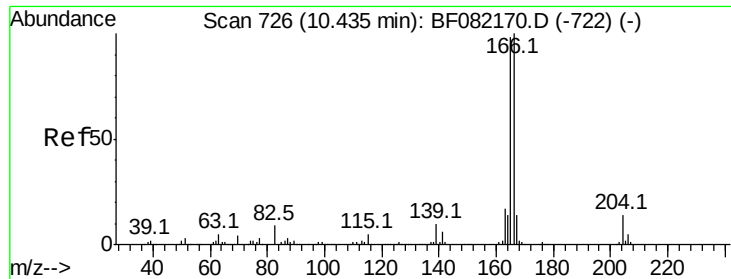
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#56
2,4-Dinitrotoluene
Concen: 45.23 ng
RT: 10.06 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	175394		
63	47.7	38.6	58.0	
89	61.1	57.0	85.6	
182	2.3	1.8	2.6	





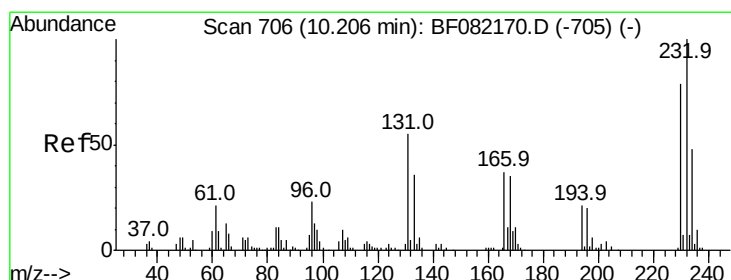
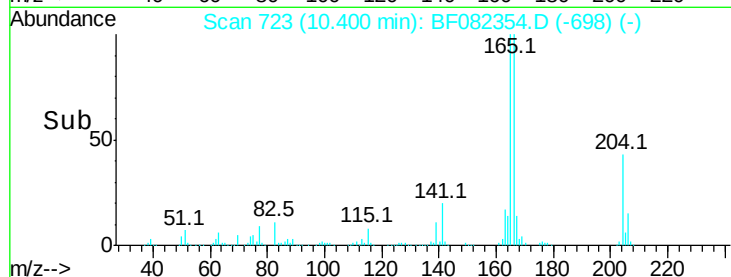
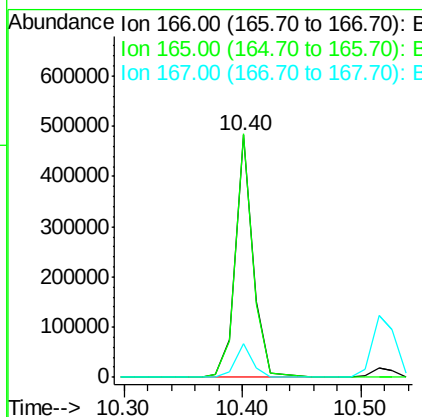
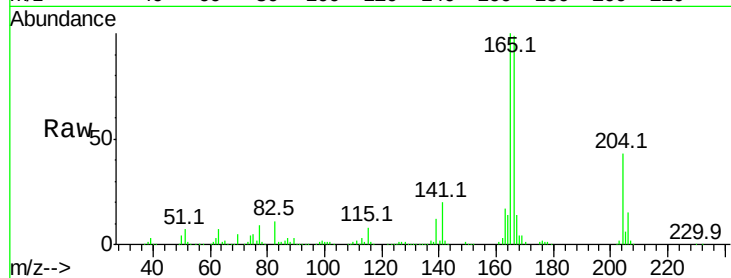
#57
 Fluorene
 Concen: 38.10 ng
 RT: 10.40 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Instrument :
 BNA_F
 ClientSampleId :
 PB86144BS

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.5	78.3	117.5	
167	14.1	10.8	16.2	

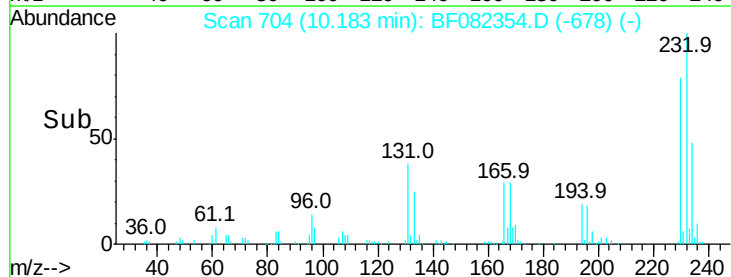
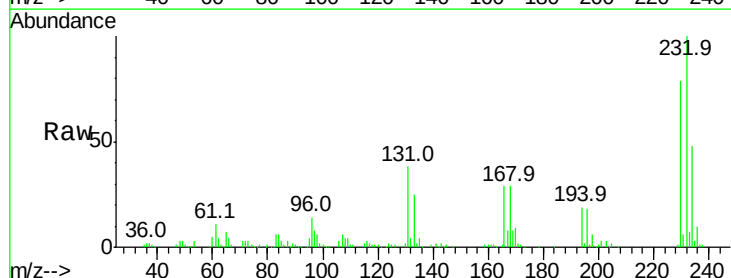
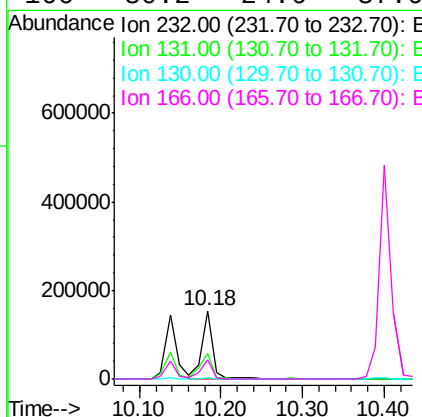
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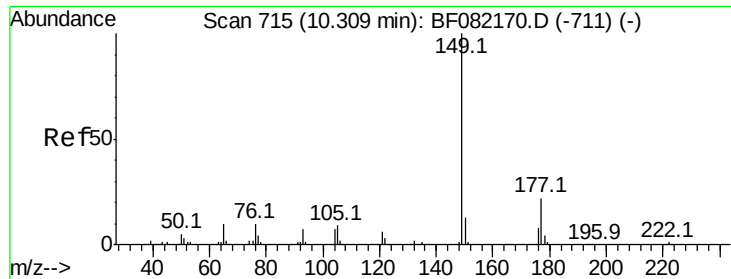
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 40.02 ng
 RT: 10.18 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	43.8	36.6	54.8	
130	1.7	1.5	2.3	
166	30.2	24.6	37.0	





#59

Diethylphthalate

Concen: 43.57 ng

RT: 10.29 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

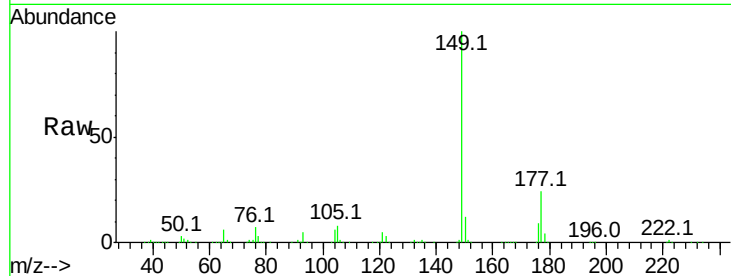
ClientSampleId :

PB86144BS

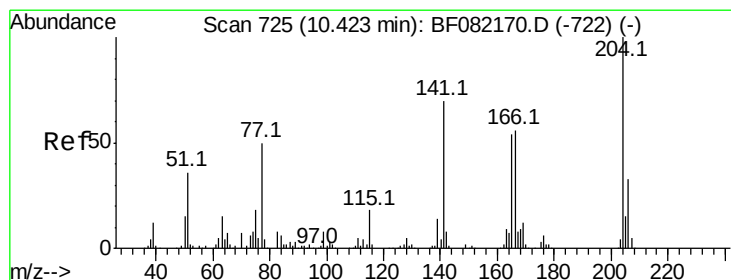
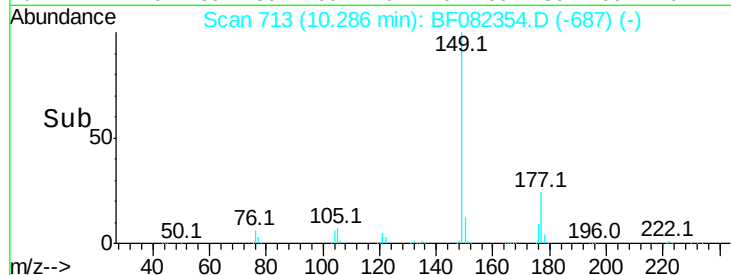
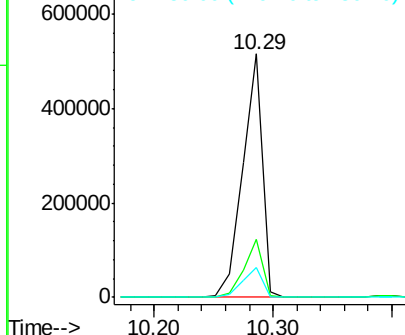
Tot Ion:	149	Resp:	597140
Ion Ratio	Lower	Upper	
149	100		
177	23.9	17.6	26.4
150	12.4	10.3	15.5

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 41.90 ng

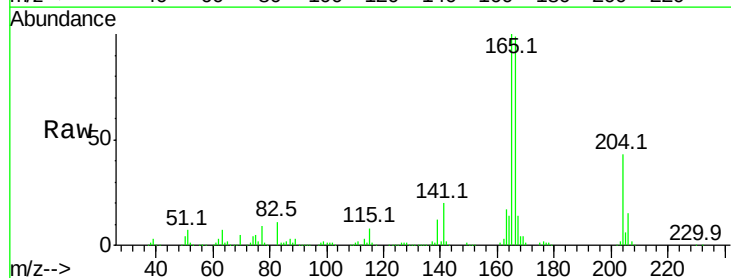
RT: 10.40 min Scan# 723

Delta R.T. -0.00 min

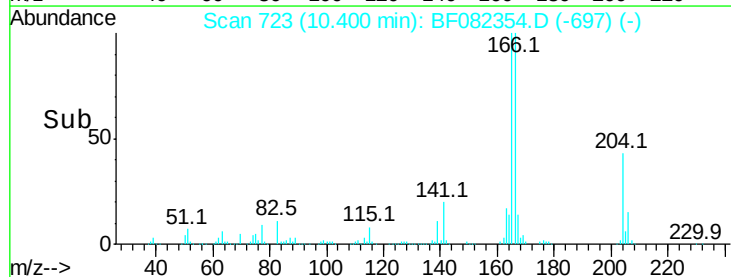
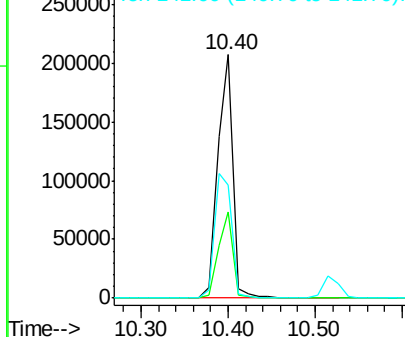
Lab File: BF082354.D

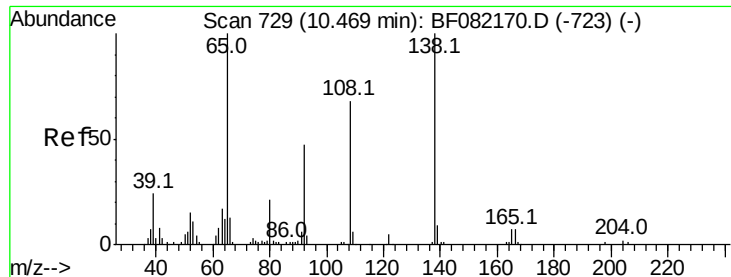
Acq: 19 Oct 2015 14:34

Tgt Ion:	204	Resp:	253709
Ion Ratio	Lower	Upper	
204	100		
206	35.3	26.8	40.2
141	46.2	56.1	84.1#



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 36.40 ng

RT: 10.43 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

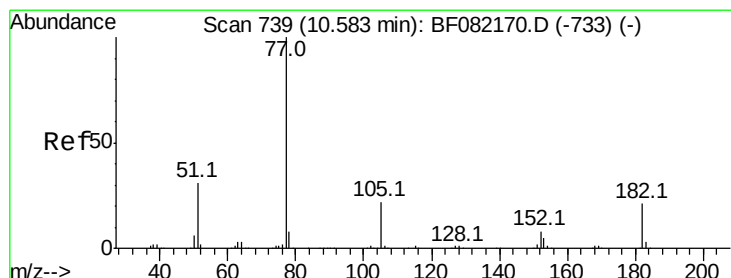
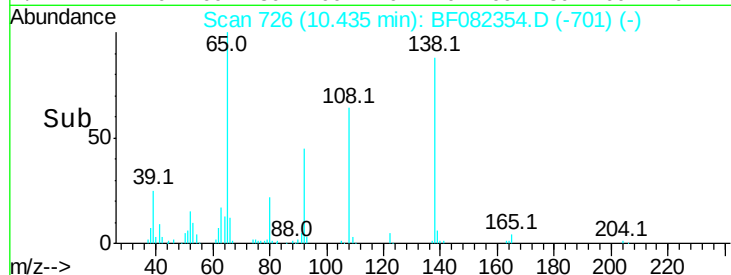
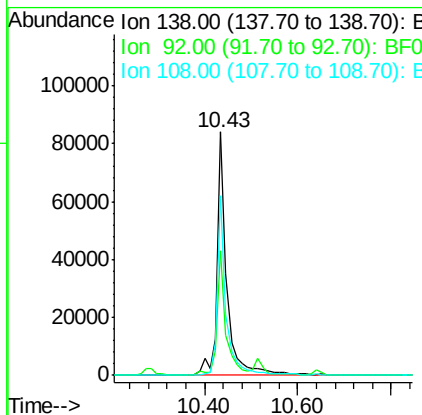
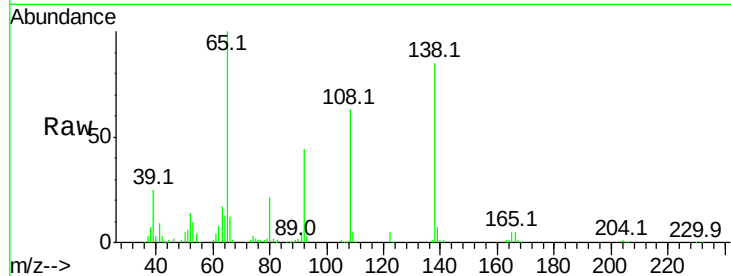
ClientSampleId :

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Tot Ion:	138	Resp:	123740
Ion Ratio	Lower	Upper	
138	100		
92	51.3	26.8	66.8
108	73.7	48.4	88.4

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#62

Azobenzene

Concen: 41.12 ng

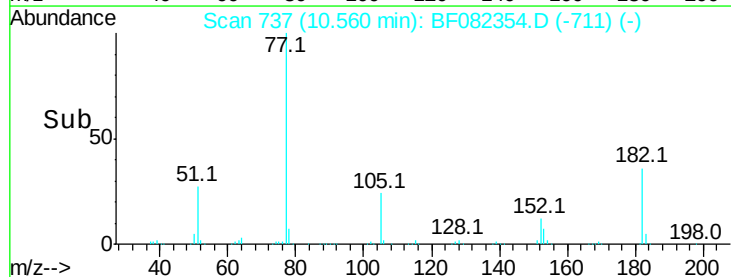
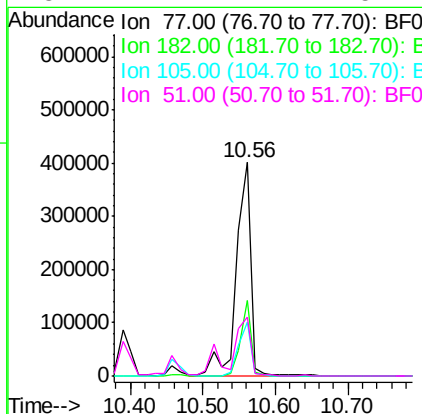
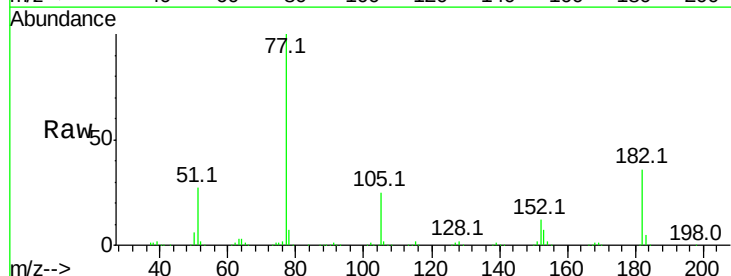
RT: 10.56 min Scan# 737

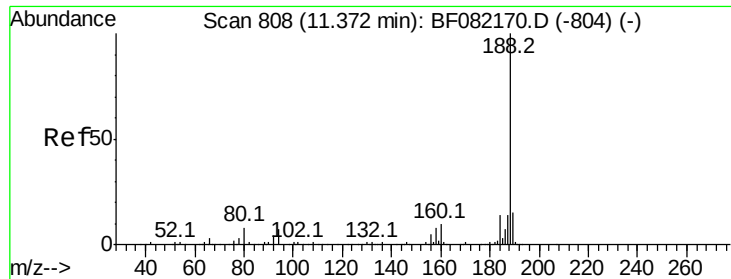
Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion:	77	Resp:	551625
Ion Ratio	Lower	Upper	
77	100		
182	35.7	0.5	40.5
105	25.3	1.8	41.8
51	27.4	11.2	51.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

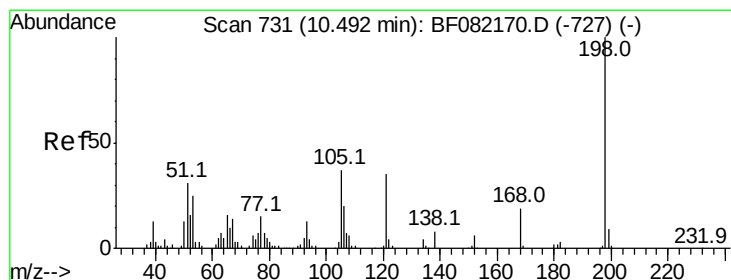
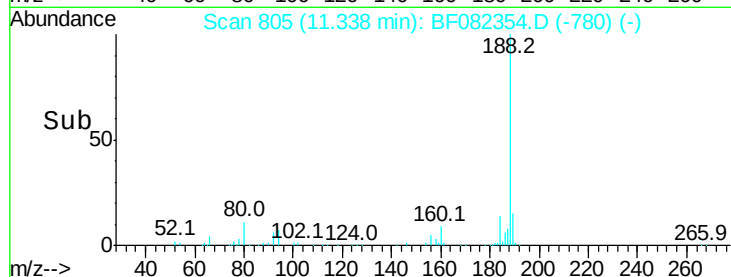
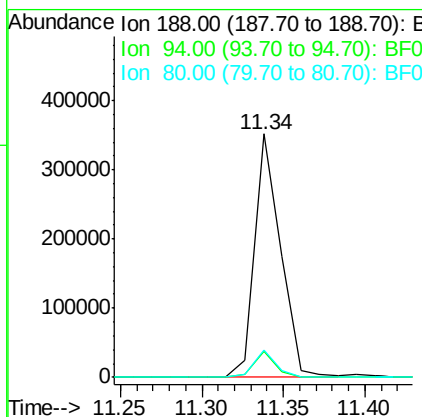
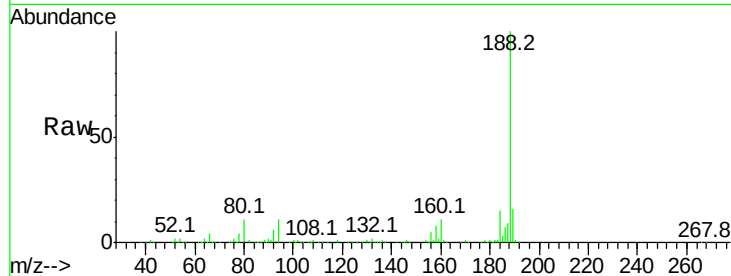
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.5	5.8	8.6#	
80	11.3	6.4	9.6#	

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#64

4,6-Dinitro-2-methylphenol

Concen: 40.95 ng

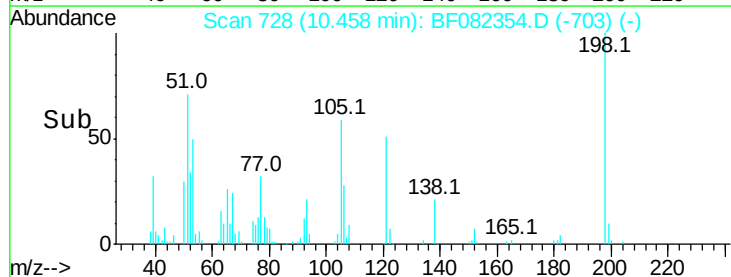
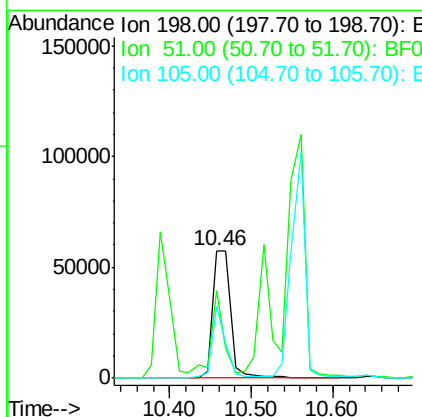
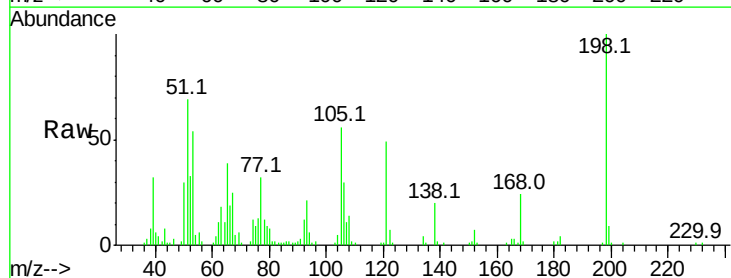
RT: 10.46 min Scan# 728

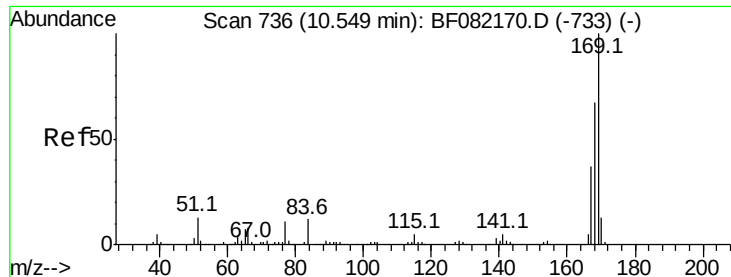
Delta R.T. -0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
198	100			
51	69.0	13.6	53.6#	
105	56.2	17.1	57.1	





#65

n-Nitrosodiphenylamine

Concen: 39.59 ng

RT: 10.51 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

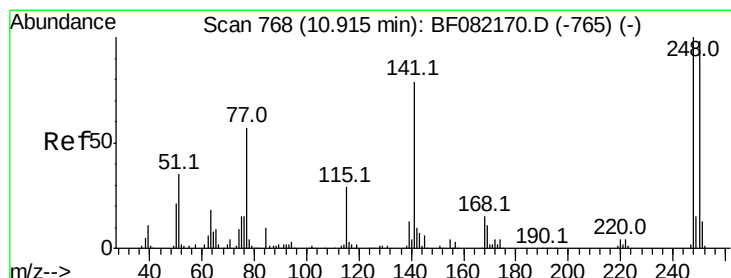
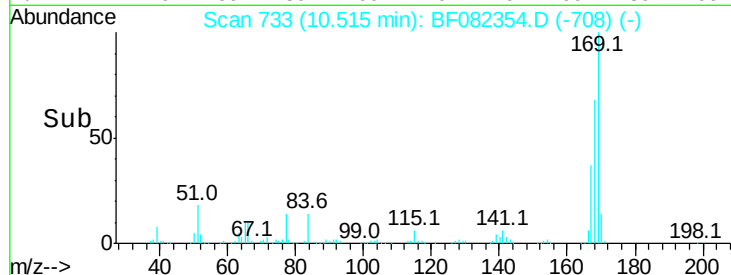
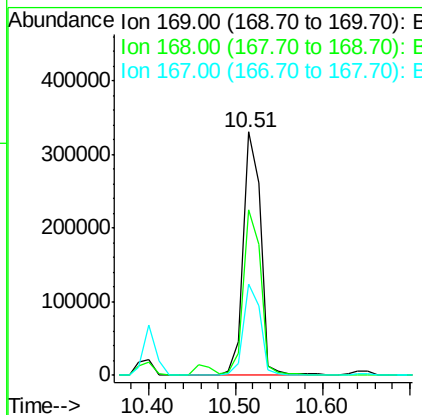
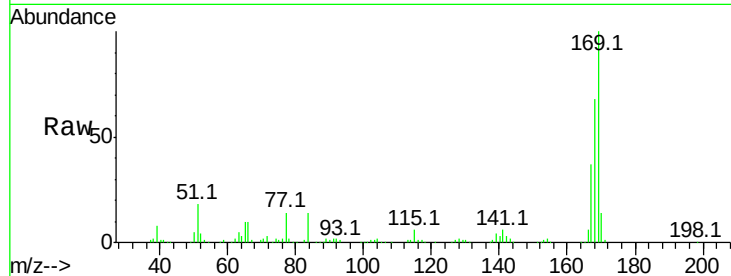
ClientSampleId :

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Tot Ion:	169	Resp:	461358
Ion Ratio	Lower	Upper	
169	100		
168	68.1	54.0	81.0
167	37.5	29.6	44.4

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#66

4-Bromophenyl-phenylether

Concen: 39.25 ng

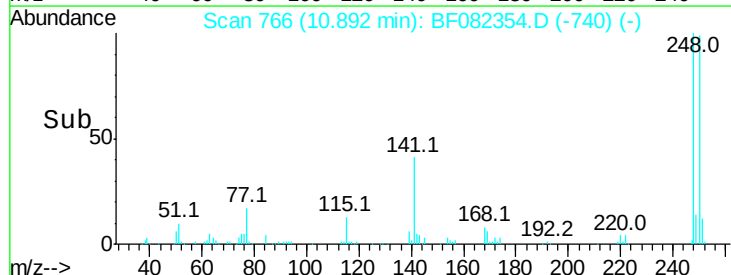
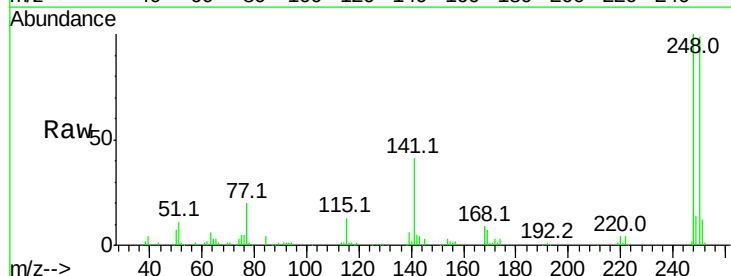
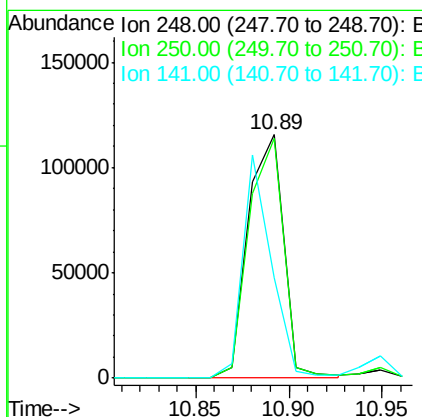
RT: 10.89 min Scan# 766

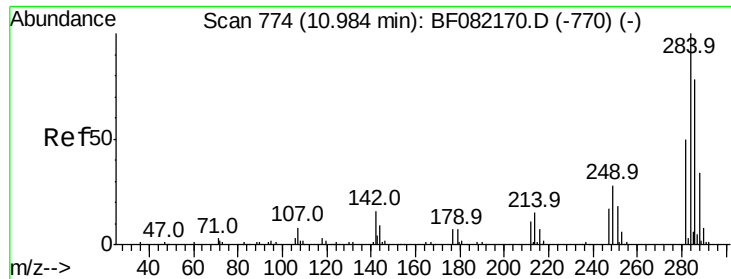
Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion:	248	Resp:	152908
Ion Ratio	Lower	Upper	
248	100		
250	98.7	78.6	117.8
141	40.9	63.3	94.9#





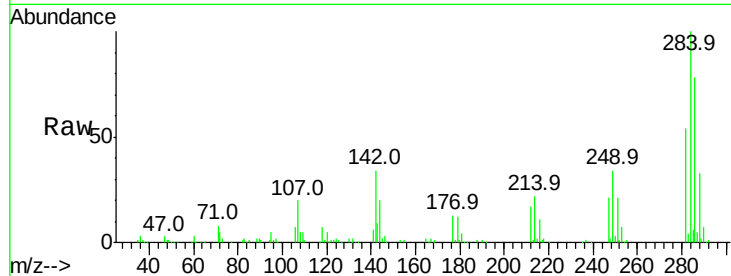
#67
Hexachlorobenzene
Concen: 39.21 ng
RT: 10.95 min Scan# 771
Delta R.T. -0.00 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Instrument :
BNA_F
ClientSampleId :
PB86144BS

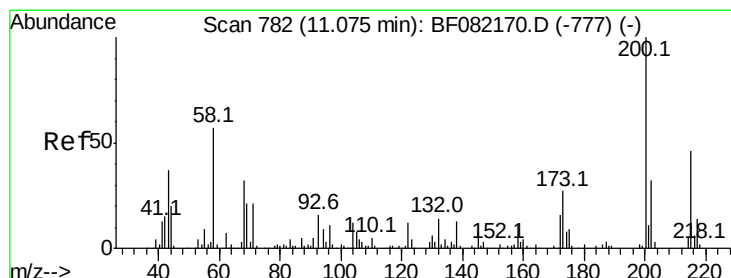
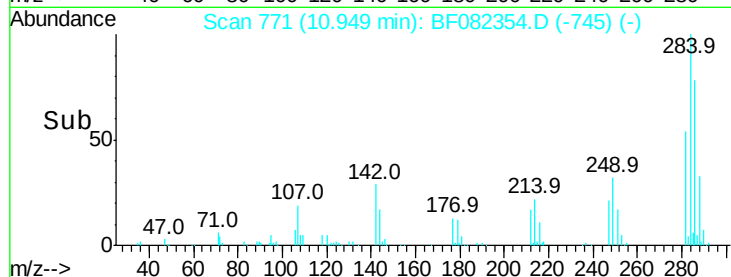
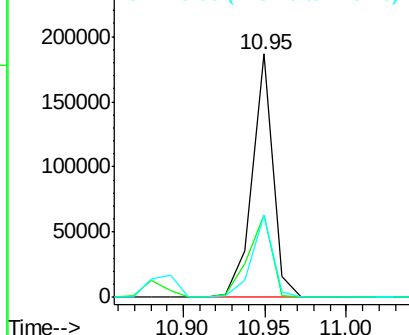
Tot Ion	Ratio	Resp Lower	Upper
284	100		
142	34.1	13.0	19.6#
249	33.9	22.5	33.7#

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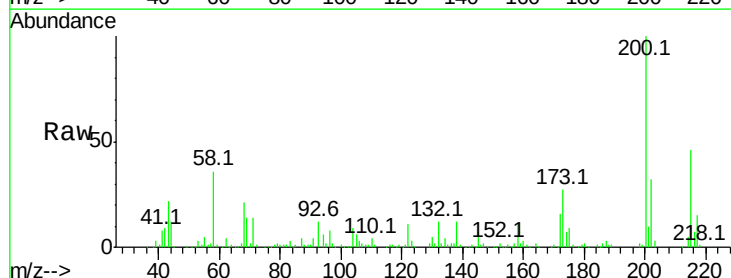


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

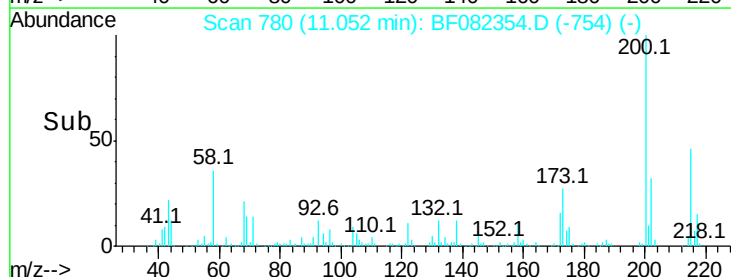
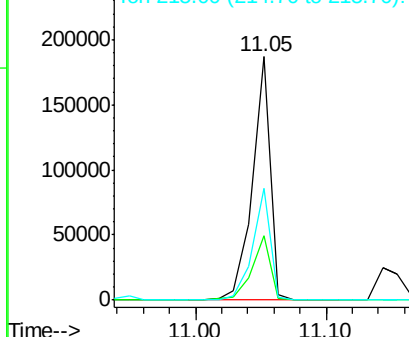


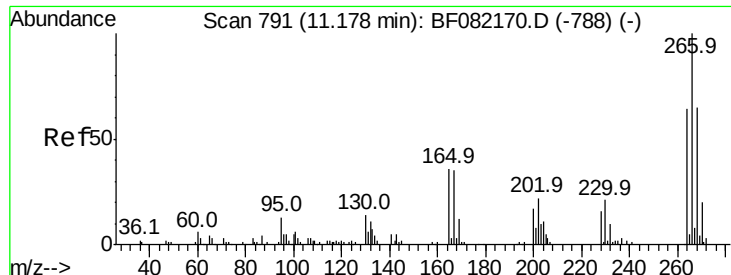
#68
Atrazine
Concen: 48.11 ng
RT: 11.05 min Scan# 780
Delta R.T. -0.00 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp Lower	Upper
200	100		
173	26.5	7.3	47.3
215	46.1	26.2	66.2



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





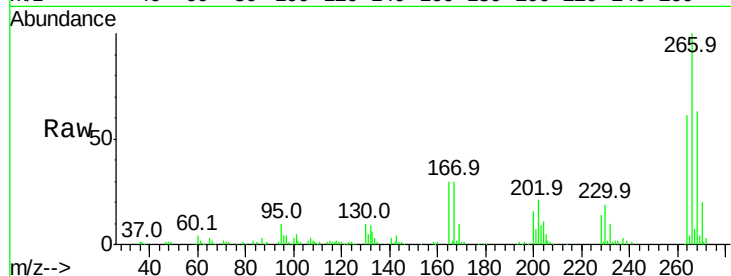
#69
 Pentachlorophenol
 Concen: 82.45 ng
 RT: 11.15 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Instrument :
 BNA_F
 ClientSampleId :
 PB86144BS

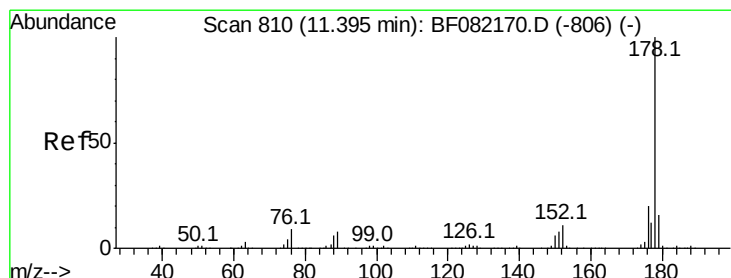
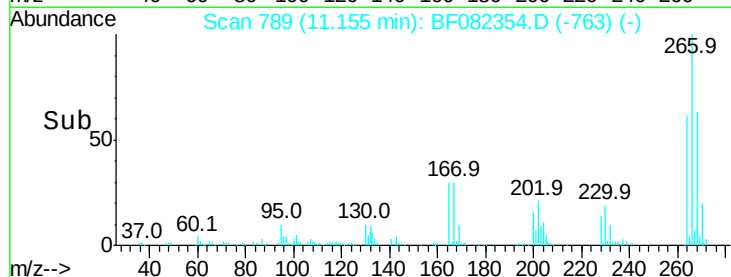
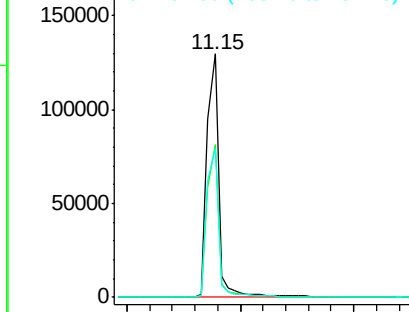
Tot Ion	Ratio	Resp	Lower	Upper
266	100	178737		
268	62.9	52.0	78.0	
264	61.4	51.4	77.0	

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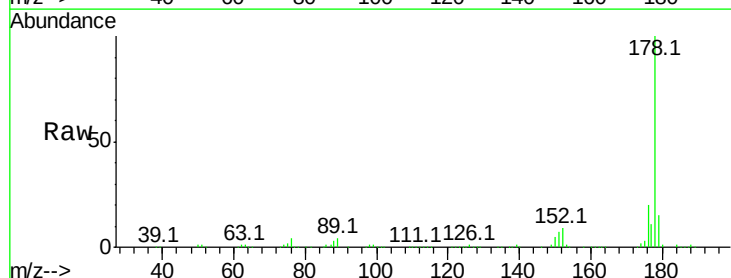


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

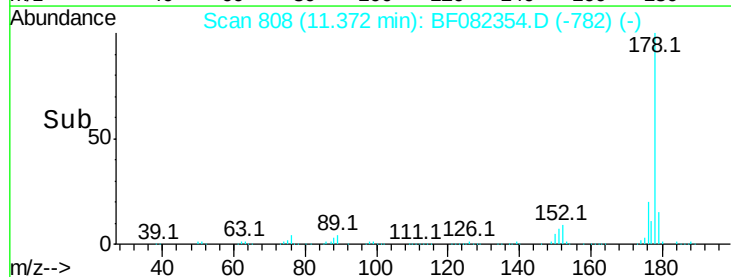
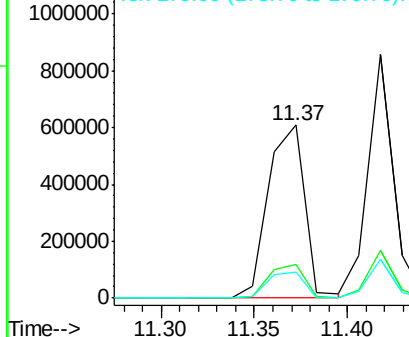


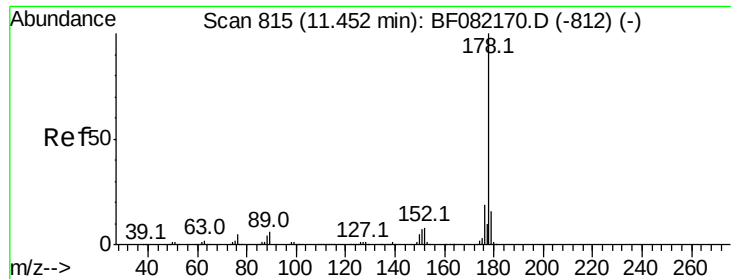
#70
 Phenanthrene
 Concen: 43.17 ng
 RT: 11.37 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	823695		
176	19.8	16.0	24.0	
179	15.3	12.6	19.0	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 42.31 ng

RT: 11.42 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

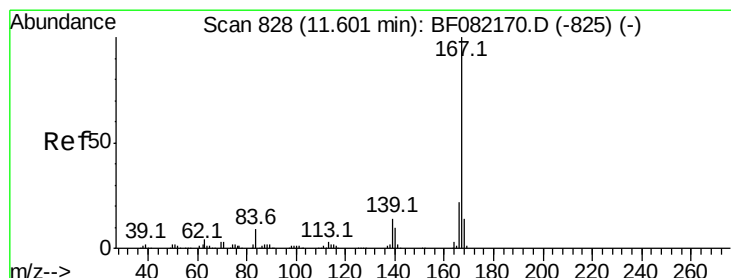
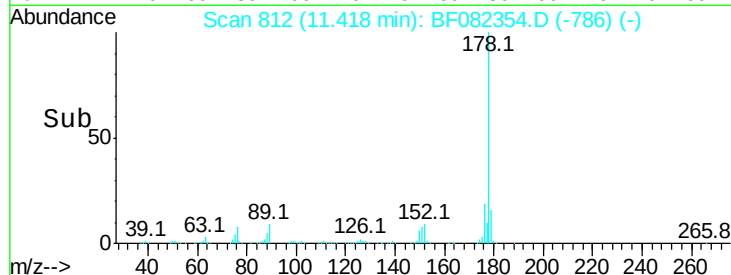
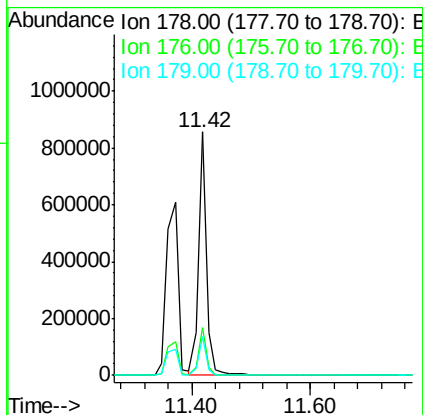
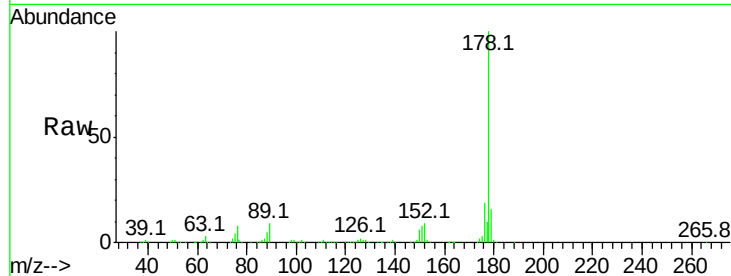
ClientSampleId :

PB86144BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	16.1	12.5	18.7

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#72

Carbazole

Concen: 40.13 ng

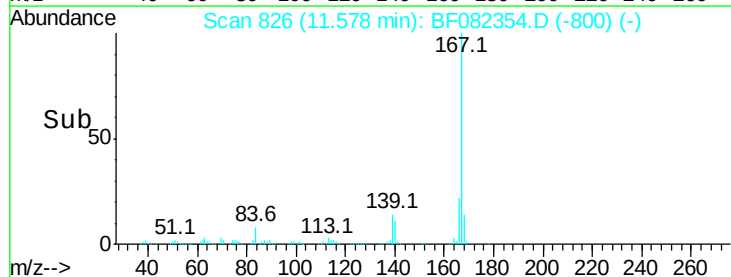
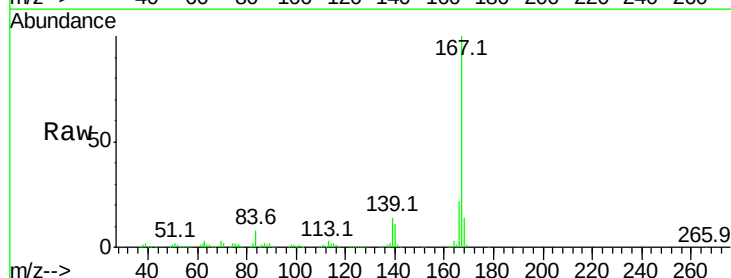
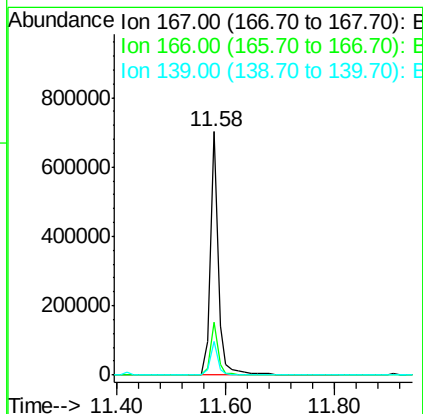
RT: 11.58 min Scan# 826

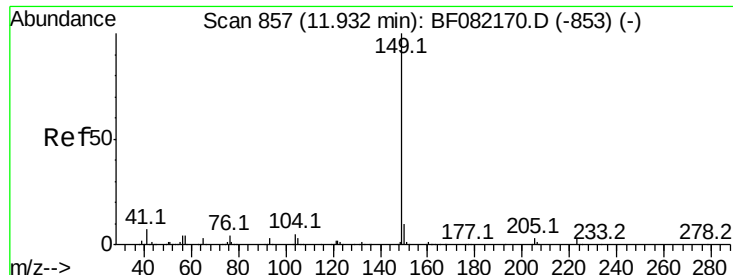
Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	13.8	11.2	16.8





#73

Di-n-butylphthalate

Concen: 44.51 ng

RT: 11.91 min Scan# 855

Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

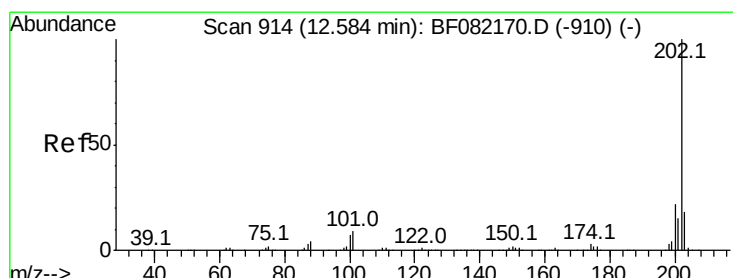
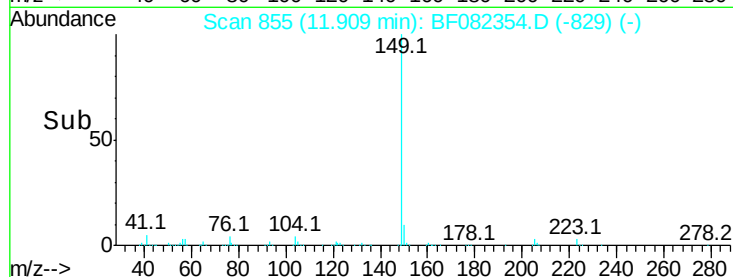
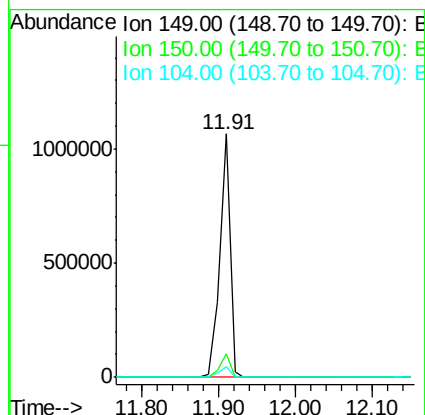
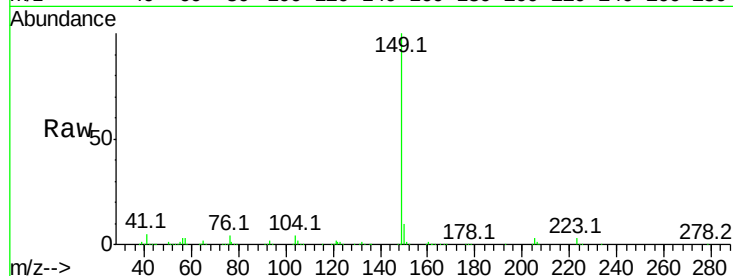
ClientSampleId :

PB86144BS

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Tot Ion:	149	Resp:	984738
Ion Ratio	Lower	Upper	
149	100		
150	9.6	7.8	11.6
104	4.2	3.8	5.8



#74

Fluoranthene

Concen: 45.37 ng

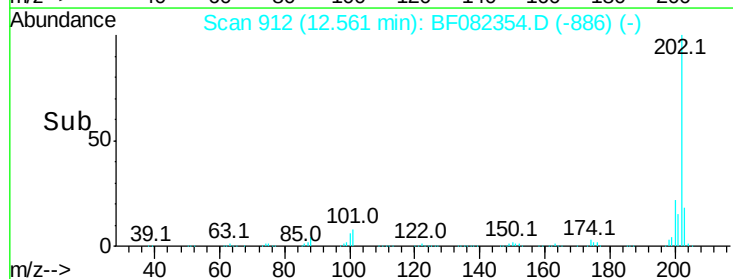
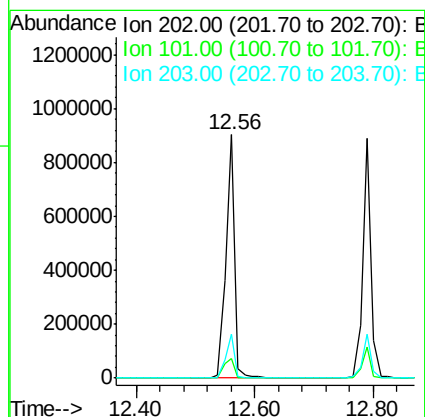
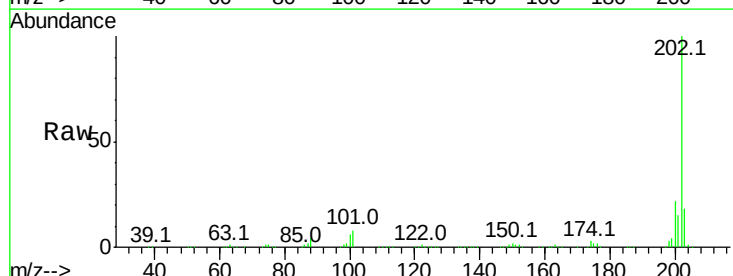
RT: 12.56 min Scan# 912

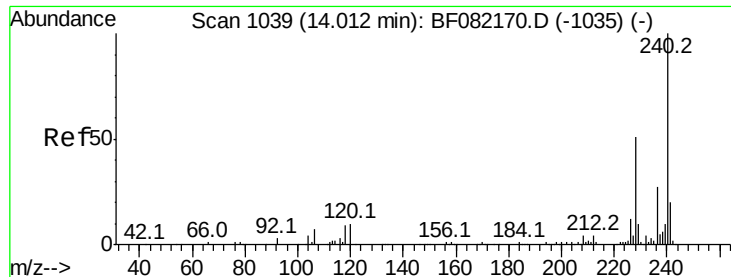
Delta R.T. -0.00 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion:	202	Resp:	929782
Ion Ratio	Lower	Upper	
202	100		
101	7.9	0.0	29.3
203	18.0	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

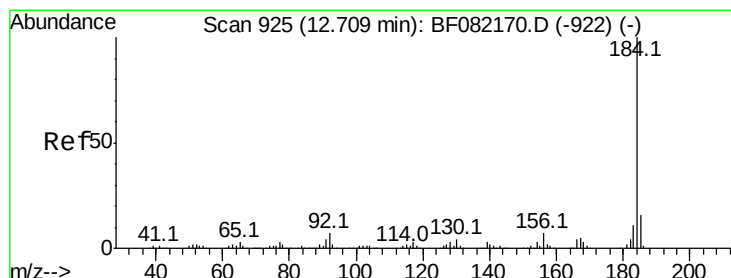
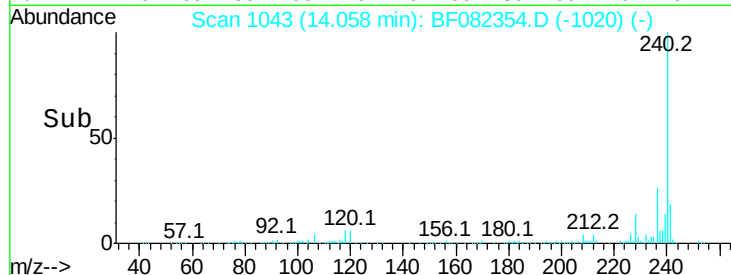
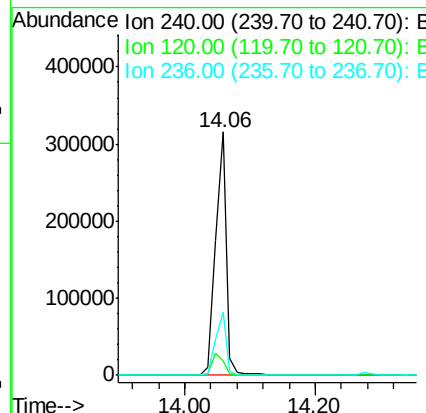
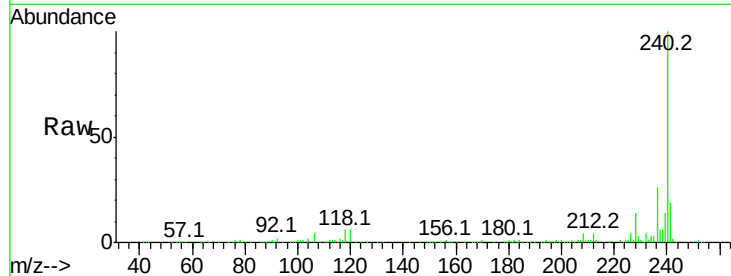
ClientSampleId :

PB86144BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.2	8.1	12.1#
236	25.7	21.3	31.9

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#76

Benzidine

Concen: 26.52 ng

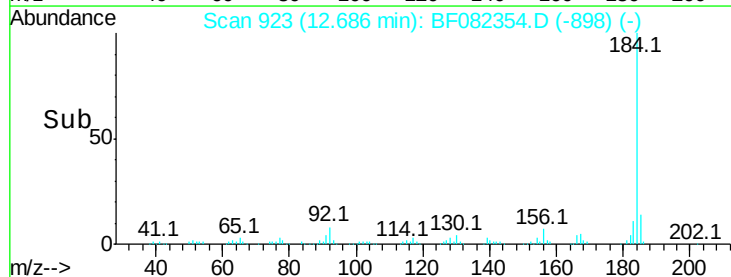
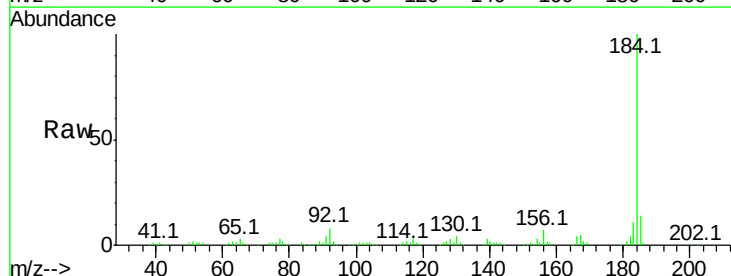
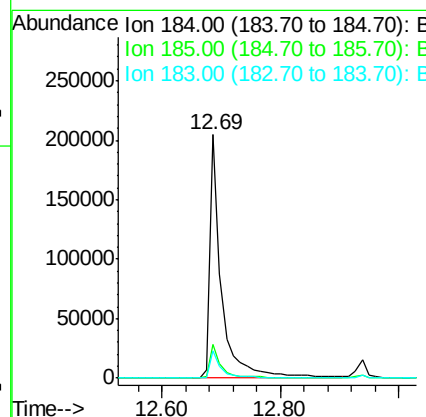
RT: 12.69 min Scan# 923

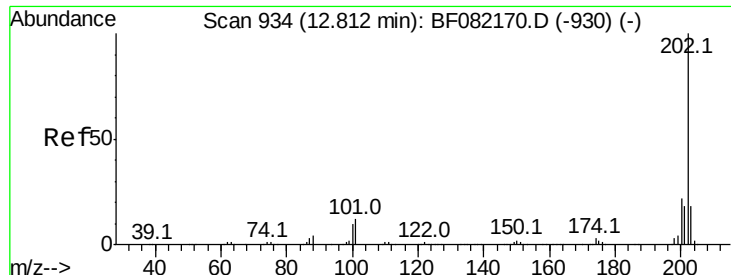
Delta R.T. -0.01 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.1	12.5	18.7
183	11.0	9.1	13.7





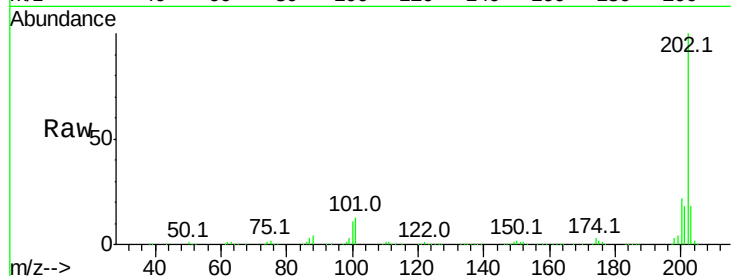
#77
Pvrene
Concen: 39.02 ng
RT: 12.79 min Scan# 932
Delta R.T. -0.01 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Instrument :
BNA_F
ClientSampleId :
PB86144BS

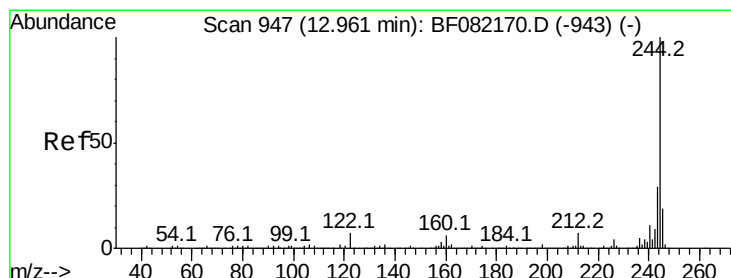
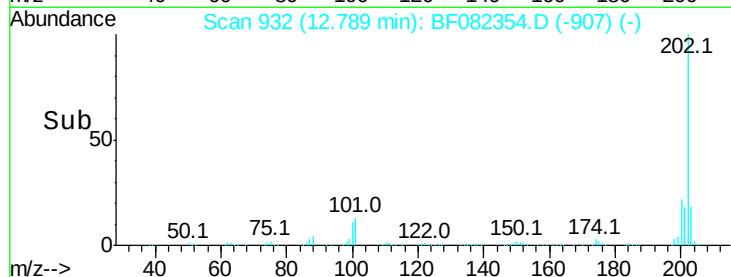
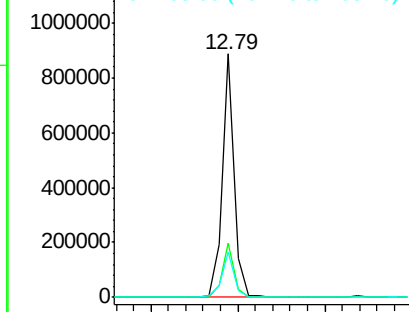
Tot Ion	Ratio	Resp	Lower	Upper
202	100	857310		
200	22.2		17.9	26.9
203	18.5		14.5	21.7

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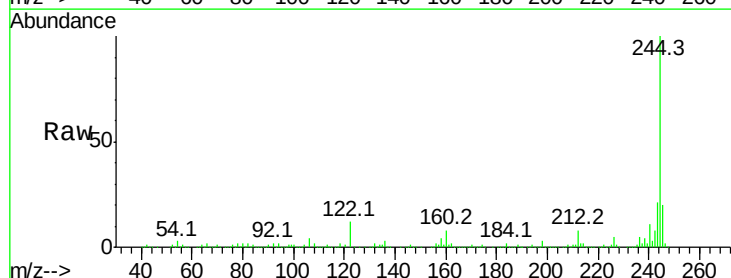


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

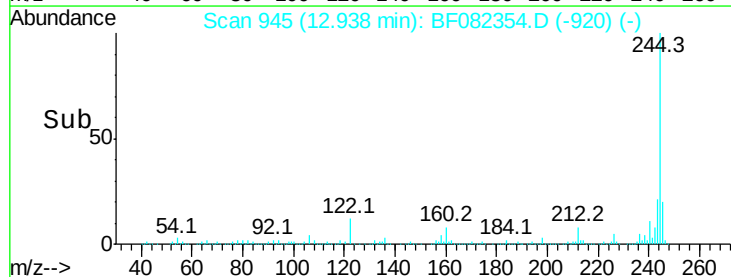
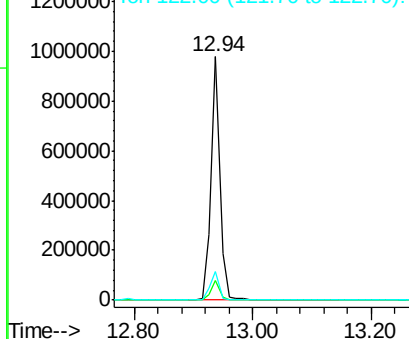


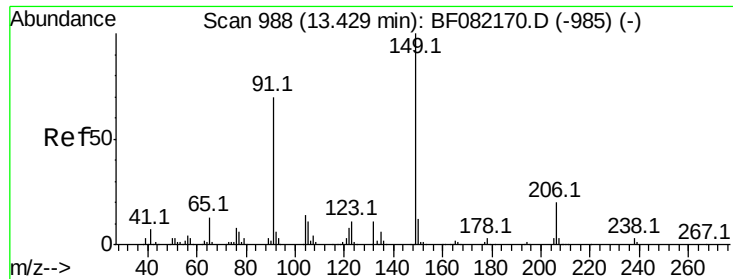
#78
Terphenyl-d14
Concen: 72.95 ng
RT: 12.94 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1019094		
212	8.2		5.8	8.6
122	11.9		5.9	8.9#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





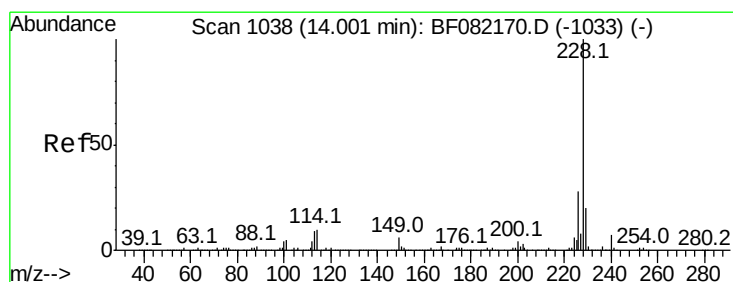
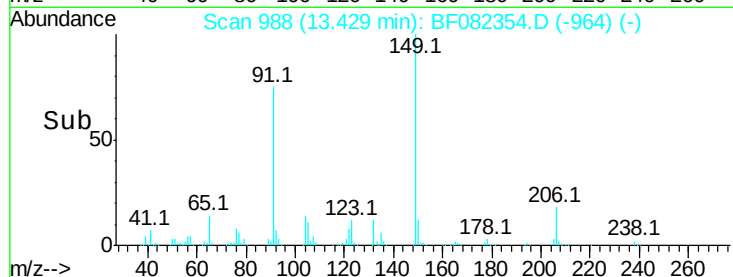
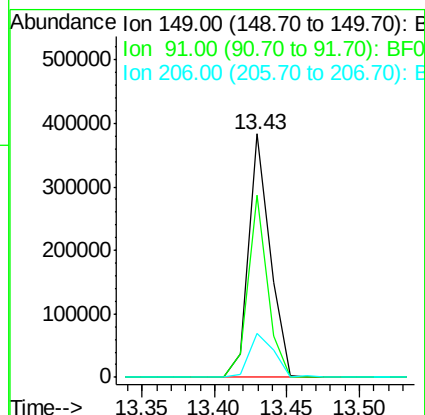
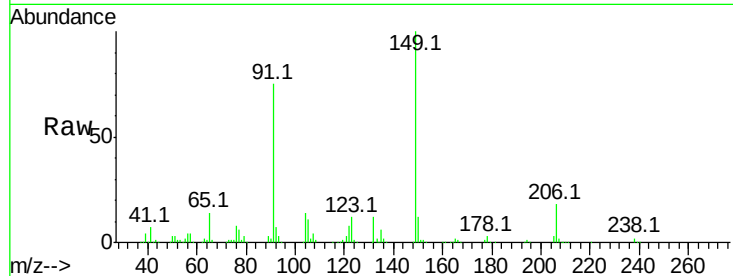
#79
Butylbenzylphthalate
Concen: 39.29 ng
RT: 13.43 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Instrument :
BNA_F
ClientSampleId :
PB86144BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	393959		
91	74.6	55.7	83.5	
206	18.1	15.6	23.4	

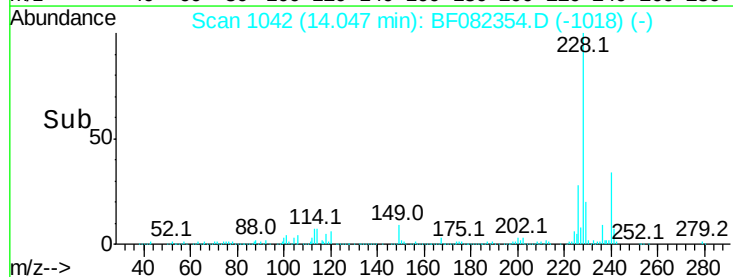
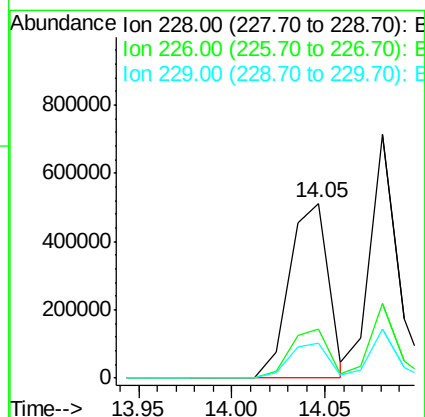
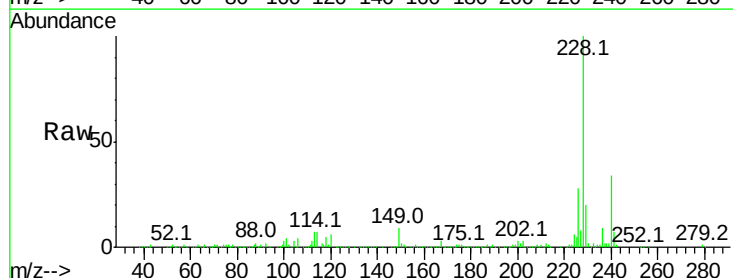
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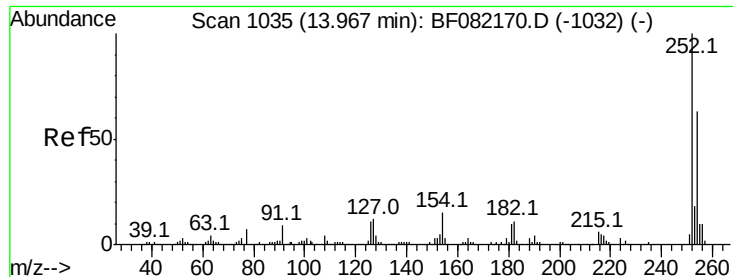
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#80
Benzo(a)anthracene
Concen: 38.86 ng
RT: 14.05 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BF082354.D
Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	748540		
226	27.7	22.3	33.5	
229	20.2	16.2	24.2	





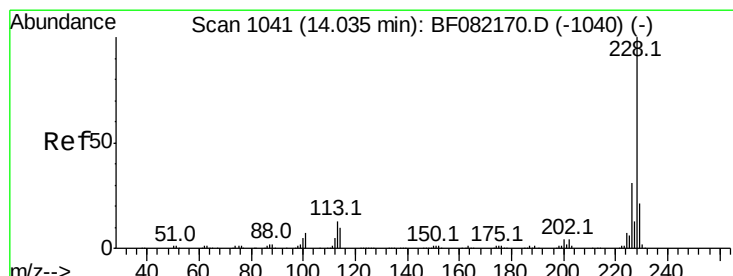
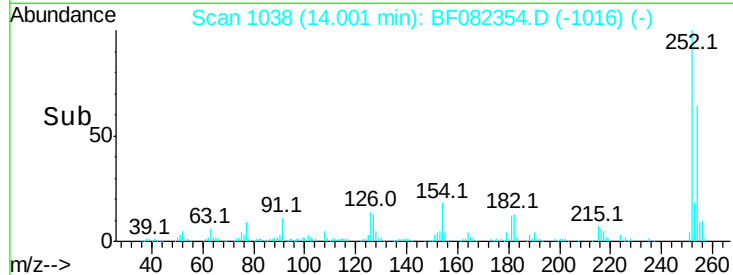
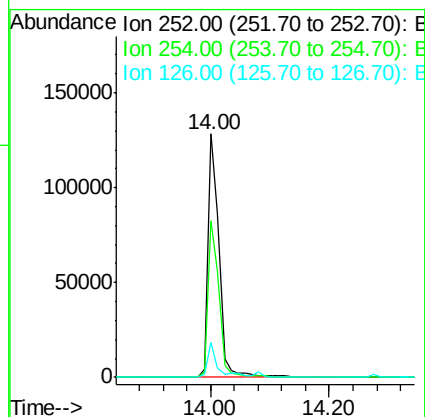
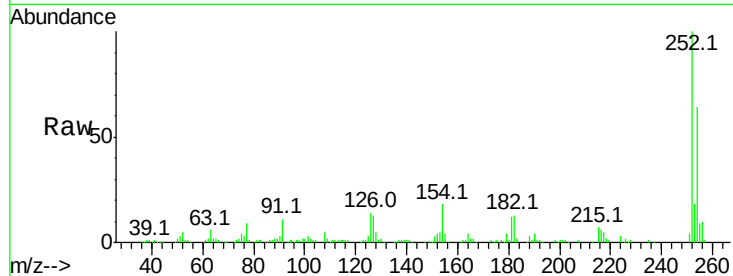
#81
 3,3'-Dichlorobenzidine
 Concen: 22.94 ng
 RT: 14.00 min Scan# 1038
 Delta R.T. -0.05 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Instrument :
 BNA_F
 ClientSampleId :
 PB86144BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	167711		
254	64.1	50.7	76.1	
126	14.3	9.0	13.6	

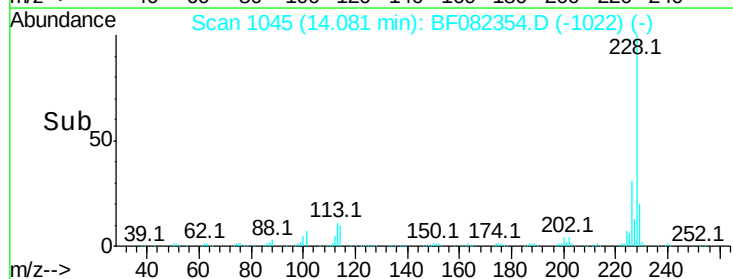
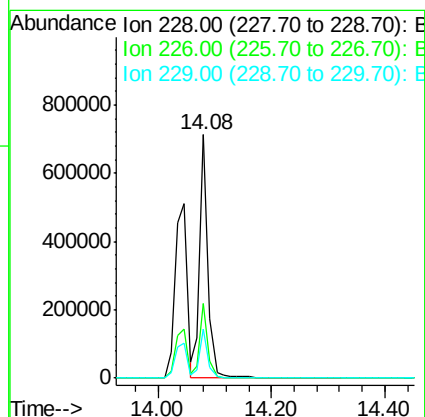
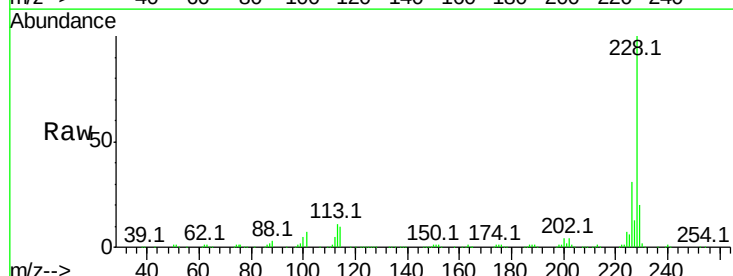
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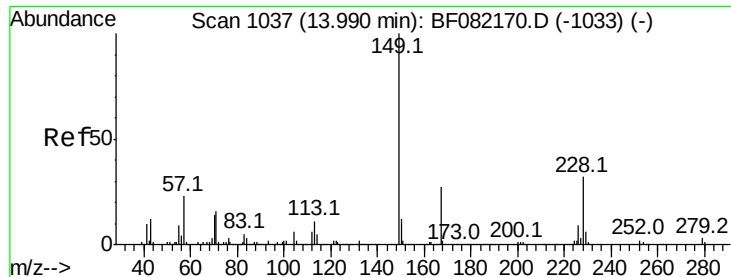
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#82
 Chrysene
 Concen: 35.74 ng
 RT: 14.08 min Scan# 1045
 Delta R.T. -0.03 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	725269		
226	30.9	24.4	36.6	
229	20.2	16.3	24.5	





#83

Bis(2-ethylhexyl)phthalate

Concen: 39.96 ng

RT: 14.04 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

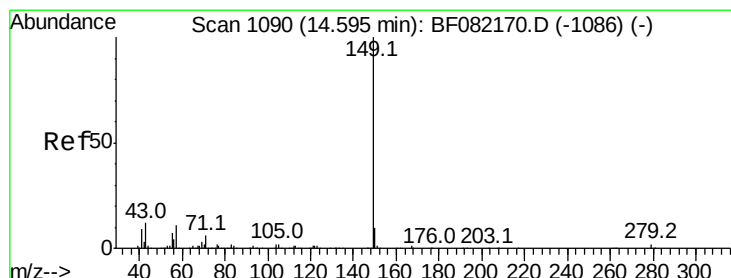
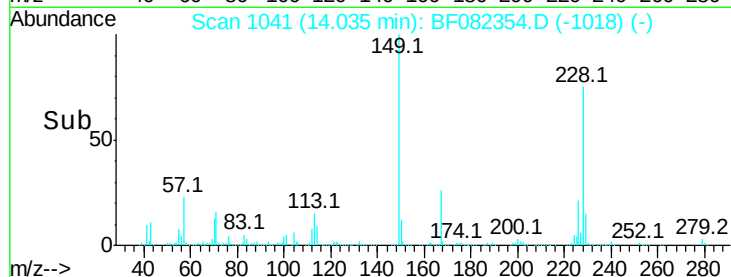
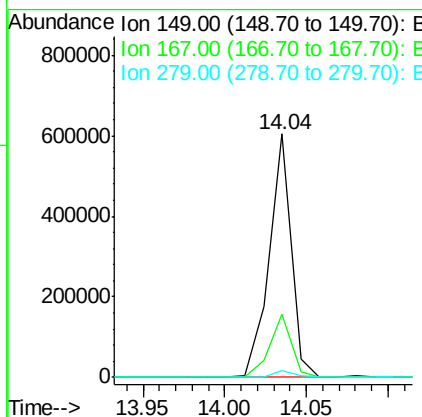
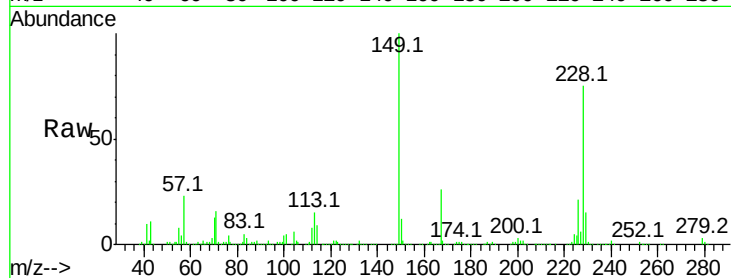
ClientSampleId :

PB86144BS

Tot Ion:	149	Resp:	571543
Ion Ratio	Lower	Upper	
149	100		
167	26.0	21.3	31.9
279	2.9	2.6	4.0

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 39.36 ng

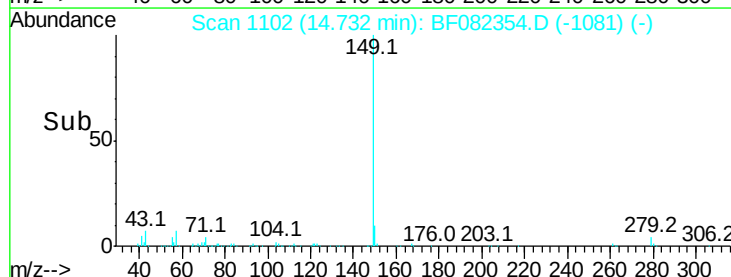
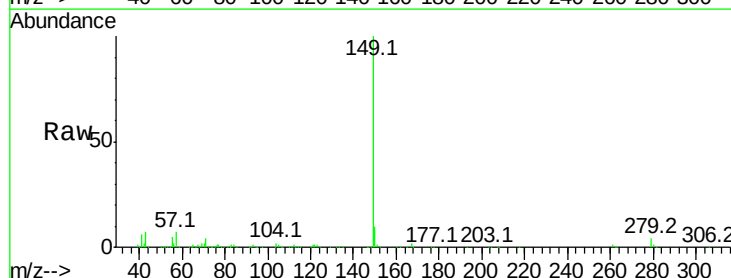
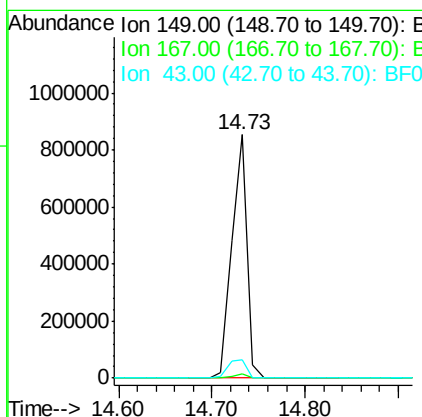
RT: 14.73 min Scan# 1102

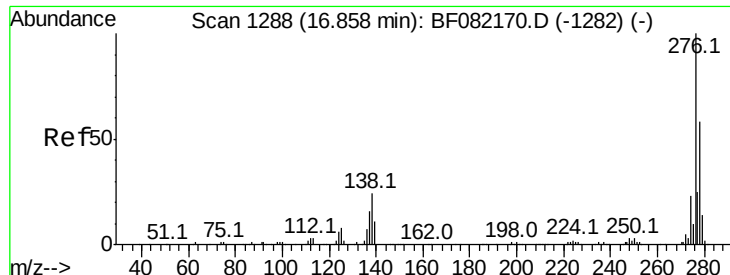
Delta R.T. -0.06 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion:	149	Resp:	966778
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	9.1	7.4	11.2





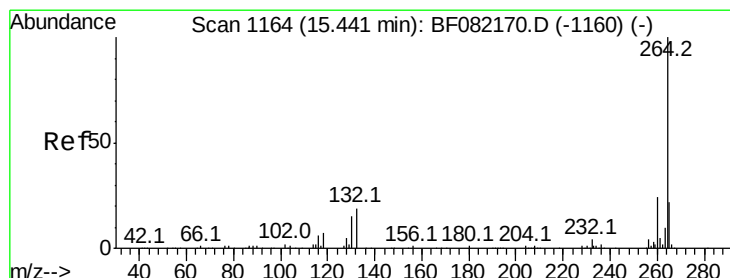
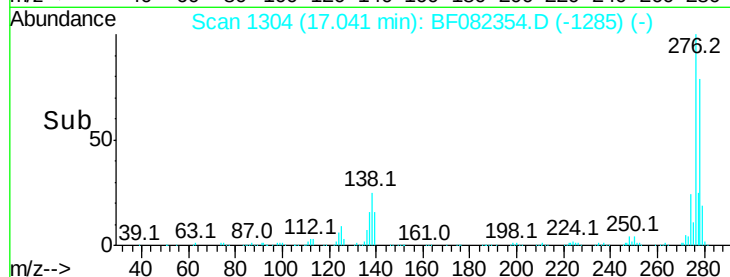
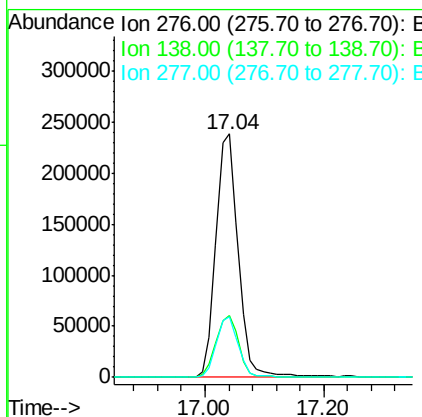
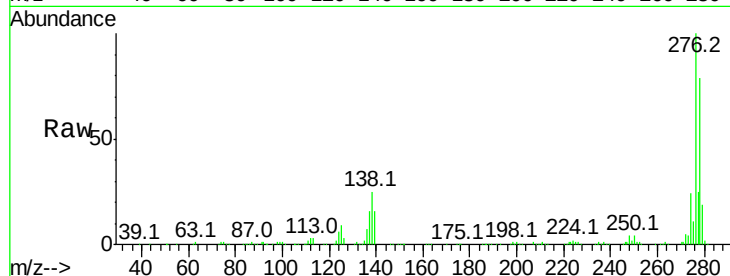
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 38.73 ng
 RT: 17.04 min Scan# 1304
 Delta R.T. -0.08 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Instrument :
 BNA_F
 ClientSampleId :
 PB86144BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	19.7	29.5
277	25.0	20.1	30.1

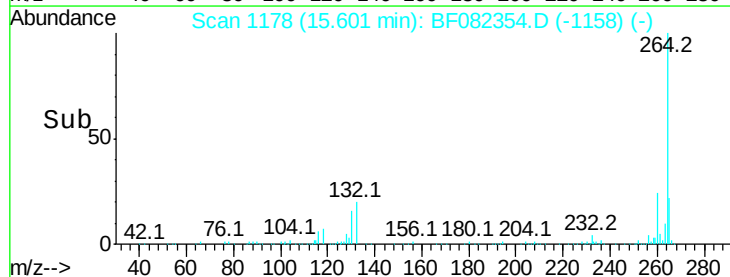
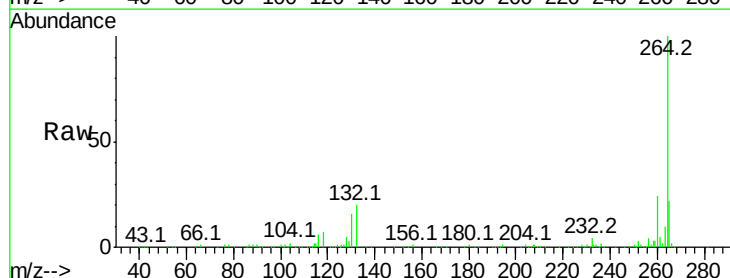
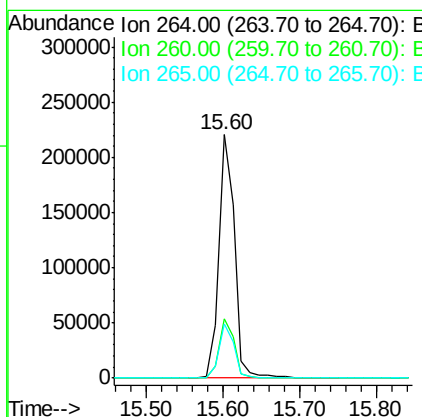
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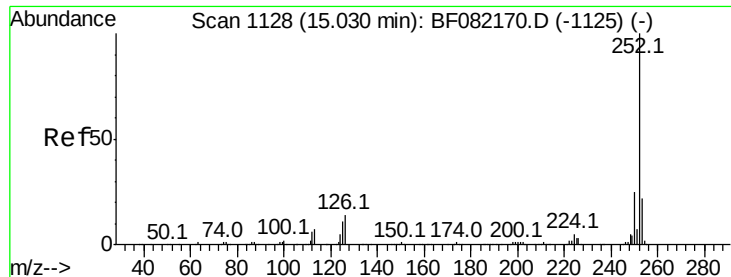
MMdadoda
 10/20/2015 6:25:44 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.60 min Scan# 1178
 Delta R.T. -0.07 min
 Lab File: BF082354.D
 Acq: 19 Oct 2015 14:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	22.4	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 38.91 ng m

RT: 15.19 min Scan# 1142

Delta R.T. -0.06 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

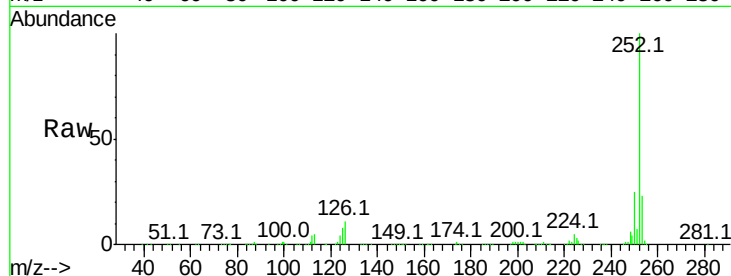
ClientSampleId :

PB86144BS

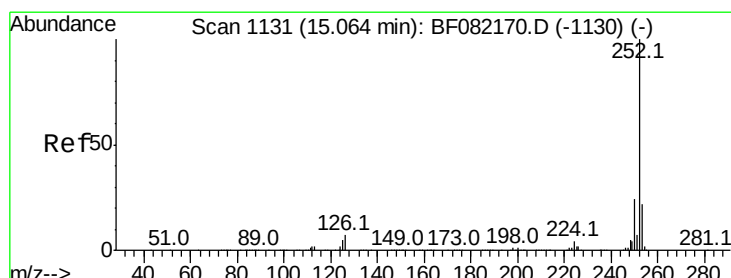
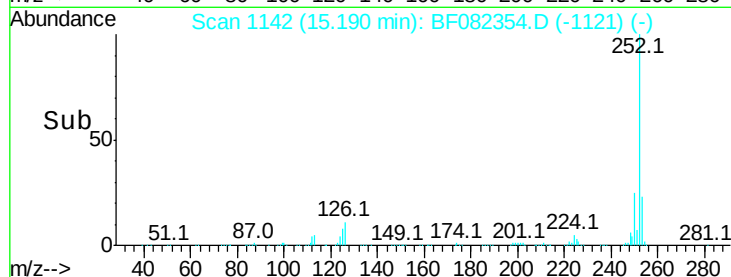
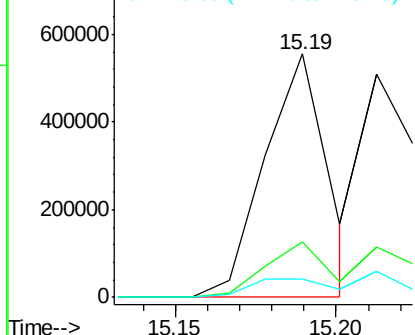
Tot Ion:	252	Resp:	746326
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.0	27.0
125	7.7	8.6	12.8#

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 38.85 ng m

RT: 15.21 min Scan# 1144

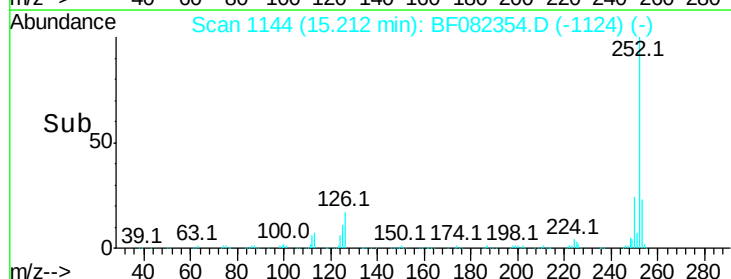
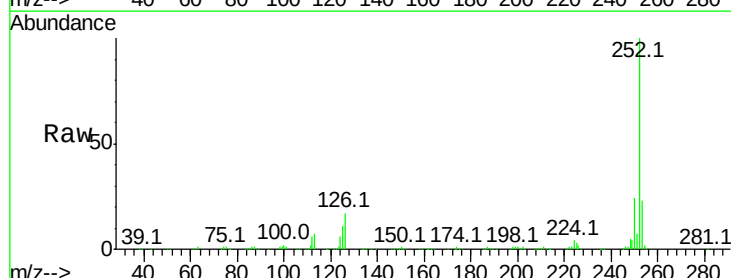
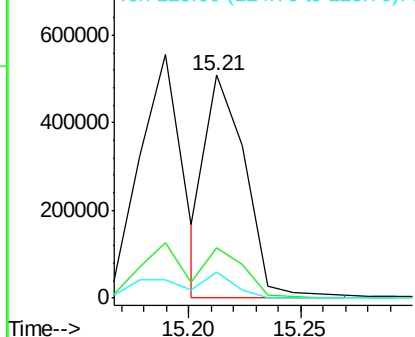
Delta R.T. -0.07 min

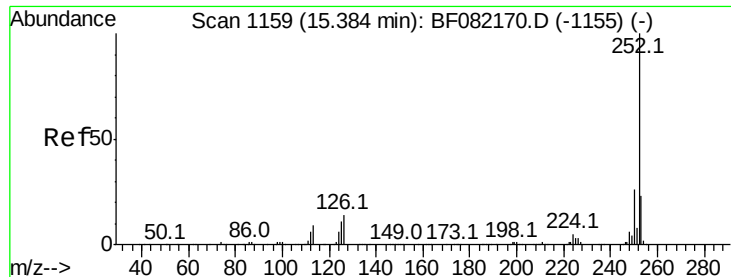
Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tgt Ion:	252	Resp:	626390
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.6
125	11.5	6.7	10.1#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 39.53 ng

RT: 15.54 min Scan# 1173

Delta R.T. -0.07 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Instrument :

BNA_F

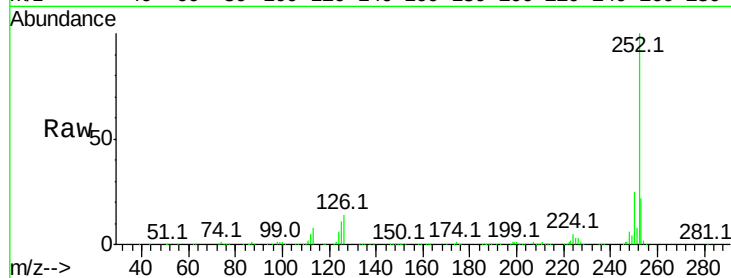
ClientSampleId :

PB86144BS

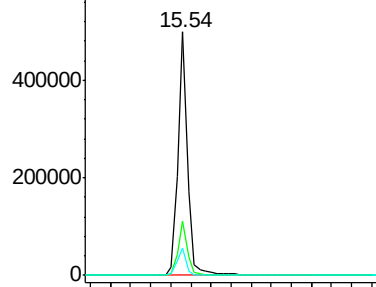
Tot Ion:	252	Resp:	651616
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.2	27.2
125	11.0	8.9	13.3

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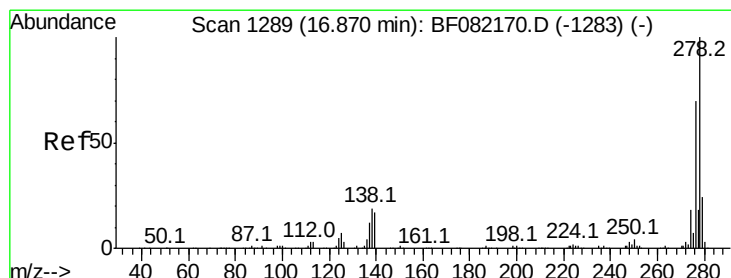
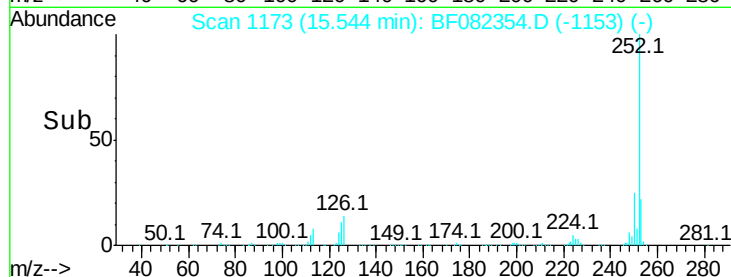
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#90

Dibenzo(a,h)anthracene

Concen: 39.25 ng

RT: 17.05 min Scan# 1305

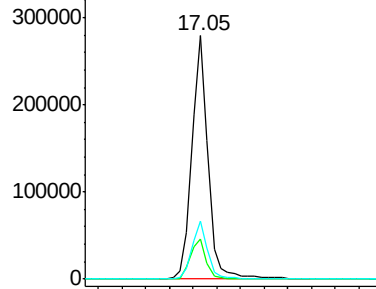
Delta R.T. -0.08 min

Lab File: BF082354.D

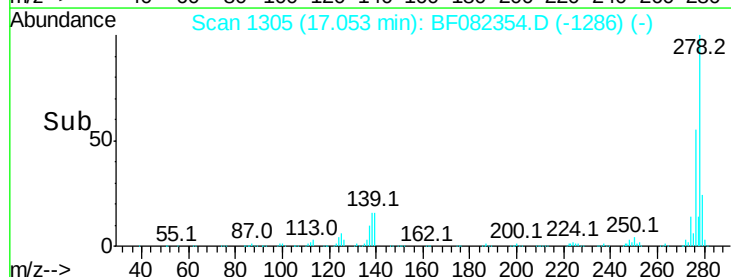
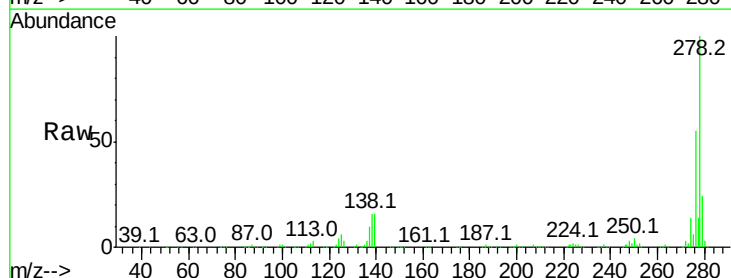
Acq: 19 Oct 2015 14:34

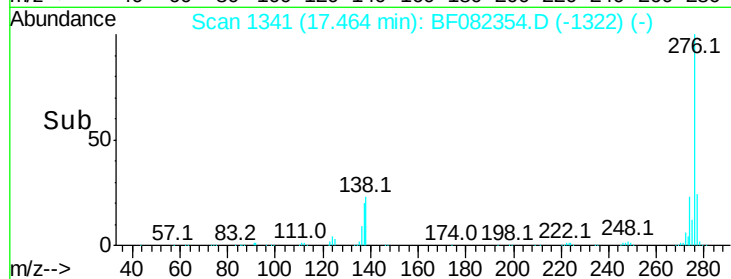
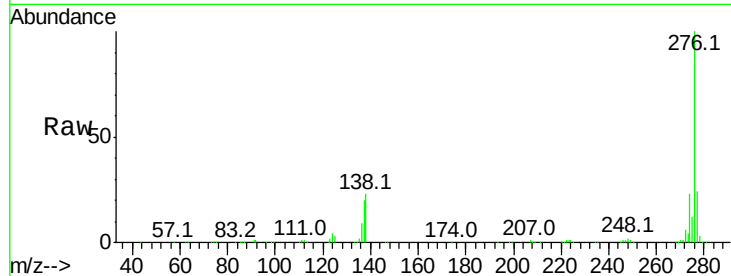
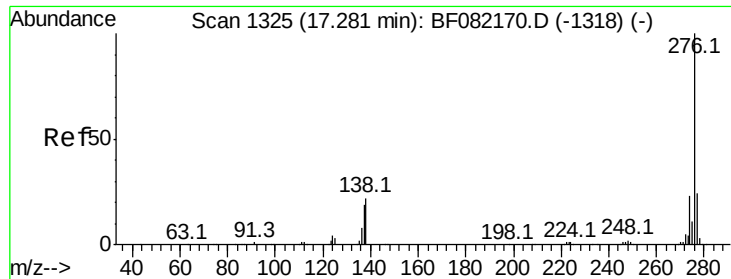
Tgt Ion:	278	Resp:	530312
Ion Ratio	Lower	Upper	
278	100		
139	16.4	13.3	19.9
279	23.9	18.9	28.3

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->





#91

Benzo(a,h,i)perylene

Concen: 39.04 ng

RT: 17.46 min Scan# 1341

Delta R.T. -0.08 min

Lab File: BF082354.D

Acq: 19 Oct 2015 14:34

Tot Ion:	276	Resp:	512423
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.8	28.2
138	22.7	17.4	26.2

Instrument :

BNA_F

ClientSampleId :

PB86144BS

Manual Integrations
APPROVED

MMdadoda
10/20/2015 6:25:44 PM

